Attention

For customers in the U.S.A.

DIGITAL STILL CAMERA PDR-M25

Tested To Comply
With FCC Standards

FOR HOME OR OFFICE USE

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Change the direction of the radio or TV antenna.
  Move the equipment or the radio or TV. For example, if the equipment is to the right of the TV, move it to the left of the TV.
  Or, move the equipment farther away from the radio or TV.
- Plug the equipment into a different outlet. Don't plug your radio or TV into the same circuit as your equipment.
- Ensure that all expansion slots (on the back or side of the equipment) are covered.
  Also, ensure that all metal retaining brackets are tightly attached to the equipment.
- If these suggestions don't help, consult your equipment dealer or experienced radio/TV technician for help.

CAUTION

If you modify the camera in any way, without getting approval from Toshiba Corporation, your camera may violate FCC regulations. Violation of FCC regulations may cause the FCC to void your right to use the modified camera.

TOSHIBA AMERICA INFORMATION SYSTEMS, INC.
Imaging Systems Division
9740 Irvine Boulevard,
Irvine, California 92618-1697
Phone Number: (800)288-1354

For customers in Canada

CAUTION

Cet appareil numérique de la classe B est conforme á la norme NMB-003 du Canada.

Before Reading This Manual

Thank you for purchasing the Toshiba PDR-M25 Digital Still Camera.
To ensure that you use this camera safely and correctly, read this Instruction Manual carefully before you start using the camera. Once you have finished reading this Instruction Manual, keep it handy at all times.

Trademark Information

- **MS-DOS, Windows, Windows 98, Windows 2000, Windows ME** are registered trademarks of the Microsoft Corporation of the U.S. registered in the USA and other countries.
  Windows is an abbreviated term referring to the Microsoft Windows Operating System.
- **Macintosh** is a trademark of Apple Computer, Inc.
- **Image Expert** is a registered trademark of Sierra Imaging, Inc.
- **SmartMedia** is a trademark of Toshiba Corporation.
- Other companies or product names are trademarks or registered trademarks of the respective companies.

Conventions Used In This Manual

IMPORTANT

- Indicates items or details that you should observe to prevent loss of data, malfunction and impaired performance. Also indicates information relating to specifications and functions.

Memo

- Indicates extra useful information.

☞ Indicates another page to refer to for extra information.

About OS Abbreviations

- Windows 98
  This abbreviation stands for the Microsoft® Windows® 98 operating system.
- Windows 2000
  This abbreviation stands for the Microsoft® Windows® 2000 operating system.
- Windows ME
  This abbreviation stands for the Microsoft® Windows® ME operating system.

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The name in parentheses ( ) is the function name on the PDR-M25.

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Safety Precautions

Read these safety precautions carefully before using the PDR-M25. These instructions contain valuable information on safe and proper use that will prevent harm and damage to the operator and other persons.
Make sure that you fully understand the following details (indications) before proceeding to the main descriptions in this manual.

Indication definitions

Indication	Meaning
⚠DANGER	This indicates the existence of a hazard that could result in death or serious bodily injury, if the safety instruction is not observed.
⚠WARNING	This indicates the existence of a hazard that could result in bodily injury, if the safety instruction is not observed.
⚠CAUTION	This indicates the existence of a hazard that could result in bodily injury *1 or property damage *2.

*1: "Bodily injury" means injuries, burns, and shock which does not require hospitalization or prolonged treatment.
*2: "Physical damage" means extended harm to home, household effects, domesticated animals, and pets.

Graphic symbol definitions

Graphic symbol	Meaning
	Indicates a prohibited action that must not be carried out. The actual prohibited action is indicated in the symbol or nearby graphically or described in text.
	Indicates a necessary action that must be carried out. The actual necessary action is indicated in the symbol or nearby graphically or described in text.

Exemption Clauses

- Toshiba Corporation bears no responsibility in the case of damages arising from earthquakes, fire not liable to Toshiba Corporation, operating by third parties, other accidents, or use under abnormal conditions including erroneous or improper operation and other problems.
- Toshiba Corporation bears no responsibility for incidental damages (lost profit, work interruption, corruption or loss of the memory contents, etc.) arising from the use of or the inability to use this unit.
- Toshiba Corporation accepts no liability whatsoever for any damages arising from not having followed the descriptions in this Instruction Manual.
- Toshiba Corporation accepts no liability whatsoever for any damages arising from malfunctions arising from combination with equipment or software that is not related to Toshiba Corporation.

⚠ DANGER

Do not heat, disassemble or throw the batteries into fire or water.

Doing this might cause it to rupture, ignite or heat up, resulting in fire or major injury.

Do not strike the batteries with a hammer, or step on, drop, or subject the battery to strong impact.

Doing so might cause it to rupture, ignite or heat up, resulting in fire or major injury.

⚠ WARNING

Should you ever notice smoke, a strange odor or excessive heat coming from the camera, immediately turn OFF the power and remove the batteries and AC adapter.

Continued use in this state might cause fire, electric shock or burns. For details on repair, consult the store of purchase, or please contact the technical support number.

If foreign objects or water have entered the camera, immediately turn the power OFF and remove the batteries and AC adapter.

Continued use in this state might cause fire or electric shock. For details on repair, consult the store of purchase, or please contact the technical support number.

If the camera has fallen or its case is damaged, immediately turn the power OFF and remove the batteries and AC adapter.

Continued use in this state might cause fire or electric shock. For details on repair, consult the store of purchase, or please contact the technical support number.

⚠ WARNING (continued)

Do not place the camera on wobbly, inclined or unstable surfaces.

This might cause the camera to fall or tilt over.

Do not use in areas near water.

This might cause fire or electric shock. Take special care during rain, snow, on the beach or near the shore.

Do not use the camera in the bath or shower.

This might cause a fire or electric shock.

Do not allow metallic objects or other flammable foreign matter inside the camera.

This might cause a fire or electric shock. Do not open the SmartMedia™ cover, and insert or allow such objects to fall inside.

⚠ WARNING (continued)

Do not disassemble, change or repair the camera.

This might cause fire or electric shock. For details on repair and internal inspection, consult the store of purchase, or please contact the technical support number.

Do not touch power or TV antenna cords during a thunderstorm.

This might cause electric shock.

Do not use the camera while you are walking, driving or riding a motorcycle.

This might cause you to fall over or result in a traffic accident.

Use only the specified batteries or the specified AC adapter.

Use of a battery or AC adapter other than specified, might cause fire, defects or malfunctions.

⚠ WARNING (continued)

Keep the batteries out of the reach of children.

If a child swallows a battery, this might result in poisoning. If a child swallows a battery, immediately consult a physician.

If battery fluid enters the eyes, immediately rinse with fresh water and consult with a physician to receive treatment.

If left untreated, damage to the eye could be permanent.

Use the AC adapter only with the indicated power supply voltage (120V, 230V AC).

Use with any other power supply voltage might cause fire or electric shock.

⚠ CAUTION

If you want to use the camera on an airplane, consult with the airline and follow their instructions.

Use of this camera is sometimes restricted due to potential radio interference.

Do not use the camera in humid, steamy, smoky or dusty places.

This might cause fire or electric shock.

Do not leave the camera in places where the temperature may rise significantly, such as inside a car.

This might adversely affect the case or the parts inside, resulting in fire.

Do not place or wrap the camera in cloth or blankets.

This might cause heat to build up and deform the case, resulting in fire. Use the camera in a well-ventilated place.

⚠ CAUTION (continued)

Before you move the camera, disconnect cords and cables.

Failure to do this might damage cords and cables, resulting in fire or electric shock.

Do not drop or subject the camera to strong impact.

This might cause fire, electric shock or malfunctions.

Before you carry out maintenance on the camera, remove the batteries and AC adapter.

Leaving these attached might cause electric shock.

Remove the batteries and AC adapter if you plan not to use the camera for a long time.

This might cause fire.

Insert the batteries paying careful attention to the polarity (+ or –) of the terminals.

Inserting the batteries with polarities inverted might cause fire and injury, or damage the surrounding areas.

⚠ CAUTION (continued)

Do not look at the sun through the camera viewfinder.

This may cause injury of the eyes.

Do not use the flash close to eyes.

This might cause temporary damage to the eyesight.

Do not walk around with the camera swinging from the strap.

This might subject the camera to shock as it bumps into a person or an object, damaging the camera or causing an injury.

Before you store or dispose of used batteries tape the plus (+) and (–) terminals with insulating tape.

If stored or disposed of without doing this, the batteries may make contact with metal objects, resulting in fire or injury due to leaking of battery fluid, overheating or bursting of the battery.

⚠ CAUTION (continued)

Do not subject the status display to impact.

If the status display is impacted, the glass on the screen may be broken and internal fluid may leak.

If the internal fluid enters your eyes or sticks to your body or clothes, immediately rinse with fresh water. If the internal fluid enters your eyes, immediately consult a physician to receive treatment.

Consult your dealer regarding the internal cleaning of the camera once every two years.

If dust is allowed to accumulate inside the camera for a long time, this might result in fire or defects. Consult your dealer regarding the cleaning costs.

When replacing the batteries, replace all four batteries with new ones.

Doing so might cause them to rupture, ignite or heat up, resulting in fire or major injury or damaging the camera.

The new batteries mean “unused batteries recently purchased” for alkaline batteries or lithium batteries, and “batteries recently recharged at the same time” for nickel metal hydride batteries or nickel-cadmium batteries.

⚠ CAUTION (continued)

Do not use different types of batteries together, or mix old and new batteries.

Doing so might cause them to rupture, ignite or heat up, resulting in fire or major injury or damaging the camera.

Do not remove the batteries immediately after a prolonged use of the camera.

This might cause burns.

Do not leave dead or exhausted batteries in the camera.

Doing so might cause them to rupture, ignite or heat up, resulting in fire, major injury or damaging the camera.

Notes On Handling Your Camera

When you use your camera, carefully read and strictly observe the Safety Precautions from page 6 onwards and the notes described below.

● Avoid using or storing the camera in the following places:

- Places subject to humidity, dust and dirt
- Places subject to direct sunlight
- Places subject to high or low temperature
- Places filled with highly flammable gas
- Places near gasoline, benzene or paint thinner
- Places subject to strong vibrations
- Places subject to smoke or steam
- Places subject to strong magnetic fields (such as near motors, transformers or magnets)
- Places contacting chemicals such as pesticides or next to rubber or vinyl products for long periods

● Do not expose the camera to sand.

The PDR-M25 is particularly sensitive to sand. If the camera comes into contact with sand, not only will the camera become damaged, it will also no longer be repairable.
Pay special attention when using the camera at the beach or where sand or sand dust is likely to be present.

● Notes On Condensation

Due to a sudden change in temperature, such as when you move the camera from a cold location to a warm one, water droplets (condensation) may form on the inside of the camera or on the lens. When this occurs, switch the camera OFF, and wait an hour before using the camera. Condensation may also form on the SmartMedia™ card. If this happens, remove the SmartMedia™, wipe off any water droplets and wait a short time before using it again.

● Carrying Out Maintenance on Your Camera

- To prevent the lens, surface of the status display or viewfinder from being scratched, blow off any dust on these parts with a blower brush and lightly wipe with a soft dry cloth.
- Clean the body of the camera with a soft dry cloth. Do not use volatile liquids such as paint thinner, benzene or insecticide, as these may react with the camera body and cause deformation or remove the coating.

Recommended Battery Options for Maximum Performance and Enjoyment

To extend the use of the camera, we strongly recommend that you only use the following types of batteries:

- Nickel Metal Hydride [NiMh](Extended Life, Rechargeable)
- Lithium (Extended Life, Not Rechargeable)
- Alkaline (Not Rechargeable)

Battery performance in general (especially Alkaine) may vary depending on individual brand, length of storage since manufacture, temperature, and operating mode of the digital camera, such as play back using LCD and strobe. The use of mangnese type batteries is nut suitable for this product due to the low number of pictures that can be taken with this type of battery. Low temperatures (50 degrees Fahrenheit/ 10 degrees Celsius or below) can also affect the performance of the battery and decrease the number of pictures taken when compared to picture taking in warmer conditions. When the camera is not in use for an extended period, please remove the batteries from the camera to extend battery life, and to prevent damage from battery leakage. (Once the batteries have been removed from the camera, you will need to re-set the date and time within the SET-UP menu.)

Notes On Handling the AC Adapter

Be sure to use only the specified AC adapter (sold separately). Using a different AC adapter might cause the camera to malfunction.
When you use the AC adapter, carefully read and strictly observe the Safety Precautions from page 6 onwards and the notes described below.

- Use the AC adapter with the rating of the country/region where the camera is used.
- Be sure that you do not allow the AC adapter to contact any other metal object as this might cause a short circuit.
- To connect the AC adapter, firmly insert the plug on the end of the cable into the DC IN 5V terminal. Do not insert the plug into other terminals. This might cause the camera to malfunction.
- Before you disconnect the connector cable, turn the camera OFF and then disconnect the cable holding it by its plug. Do not disconnect the connector cable by pulling the actual cable.
- Do not drop the AC adapter or subject it to strong impacts.
- Do not use the AC adapter in very hot and humid locations.
- Do not plug in the AC adapter while you are using the battery. Switch the camera OFF first.
- The AC adapter is for indoor use only.
- Use only the specified AC adapter. Do not use other AC adapters.
- The AC adapter may sometimes become warm during use. This is normal and not a malfunction.
- Buzzing or whirring noises may come from inside the camera. This is normal and not a malfunction.
- Do not use the AC adapter near a radio as it could interfere with radio signal reception.
- If you remove the battery or AC adapter while the camera is in operation, the date may be lost from memory. If this happens, reset the date.

Features

- **3X zoom lens**
- **USB interface compatible**
- **High definition 2.2 million pixels**
- **Extensive photographic functions**
  - Auto/Flash/Macro/Self-timer
  - Multi mode (16 continuous images in one frame)
  - Bulb mode for night and creative photography
  - Color/Black-and-white photography etc.
- **Image size and quality easily selectable**
  - Size (1792 x 1200 or 896 x 600 pixels)
  - Quality (FINE/NORMAL/BASIC)
- **Status display**
  - Settings can be verified even when LCD monitor is OFF.
- **SmartMedia™**
  - Expandable up to 128MB
- **Compatibility**
  - Image recording method compliant with DCF.

The Function Map

It is suggested that you look at the function map, below before using the PDR-M25.

Read these pages first.

Let's get ready to use the PDR-M25

(P.17 – 35)

Let's learn about basic operation.

First, let's learn about the basic way of using the PDR-M25.

Photography (P.40)
Playing Back Photographed Images (P.61)
Erasing Images (P.71)

Utilizing the various photography modes.

You can choose various photography modes on the PDR-M25.

Zoom Photography (P.45)
Digital Zoom Photography (P.46)
Close-up Photography (P.47)
Photography Using the Self-timer (P.48)
Photography Using the Flash (P.49)
Multi Image Photography (Multi Photography) (P.52)
Long Exposure Photography (Bulb Photography) (P.53)

Changing the photography settings.

You can change the settings for the image that you are going to take according to your particular requirements, location and other conditions.

Setting the Image Size and Quality (P.43)
Manually setting the PDR-M25 (P.54)
Changing the Preset Conditions (P.57)

Playing back your photographed images

You can choose various ways of playing back images on the LCD monitor.

Enlarging Photographed Images (P.62)
Auto Playback (P.64)

You can also do this.

The PDR-M25 also has lots of other features.

Displaying a List of Images (P.63)
Changing the size of Images (P.65)
Compressing Images (P.67)
Erasing All Images at once (P.73)
Protecting Images (P.75)
Changing PDR-M25 camera Settings (P.80)
Taking and Playing Back Photographs on a TV (P.86)
Transferring Images to a PC (P.88)

Accessories

Make sure that you have all of the items below before you start using your camera.

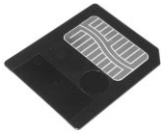
Batteries (4 size AA)
Alkaline

Video cable

USB cable

Soft case

SmartMedia™
(8MB, 3.3V) (1)



- Anti-static case (1)
- Index labels (2)
- Write-protect stickers (4)

CD-ROM
- USB driver
  (for Windows 98)
- Software application

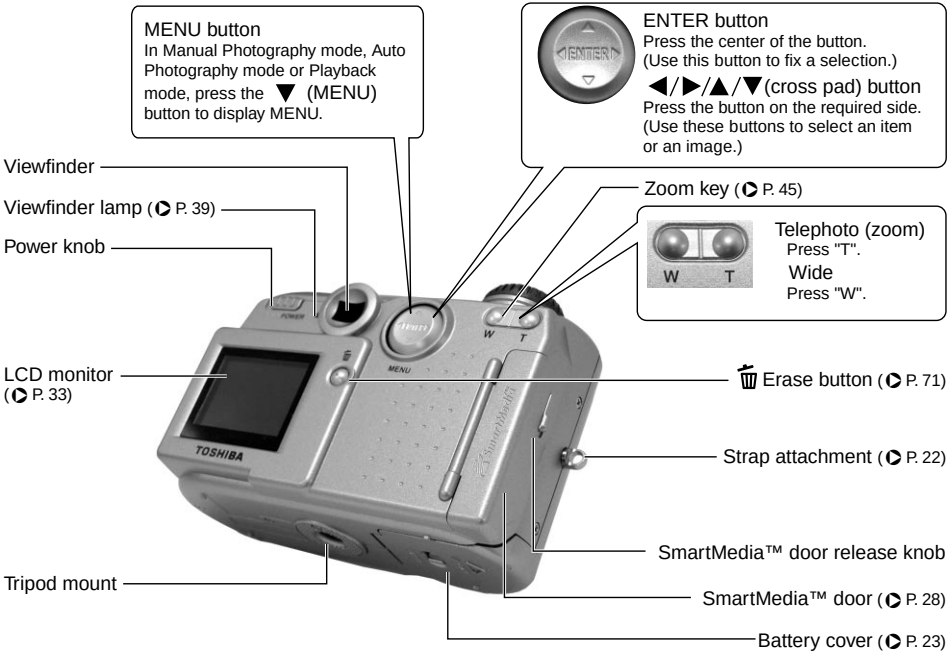
Wrist strap

Lens cap
(with Lens strap)

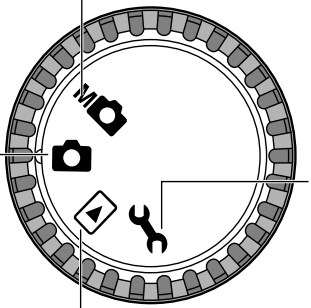
Sold separately
- AC adapter

Names of Parts

Names of Parts (continued)



Mode dial



Manual Photography mode (⊃ P. 54)
Manually sets white balance, and exposure.

Auto Photography mode (⊃ P. 40)
This is the most commonly used photography mode.
In this mode, exposure (combination of shutter speed and aperture) is automatically controlled to facilitate photography.

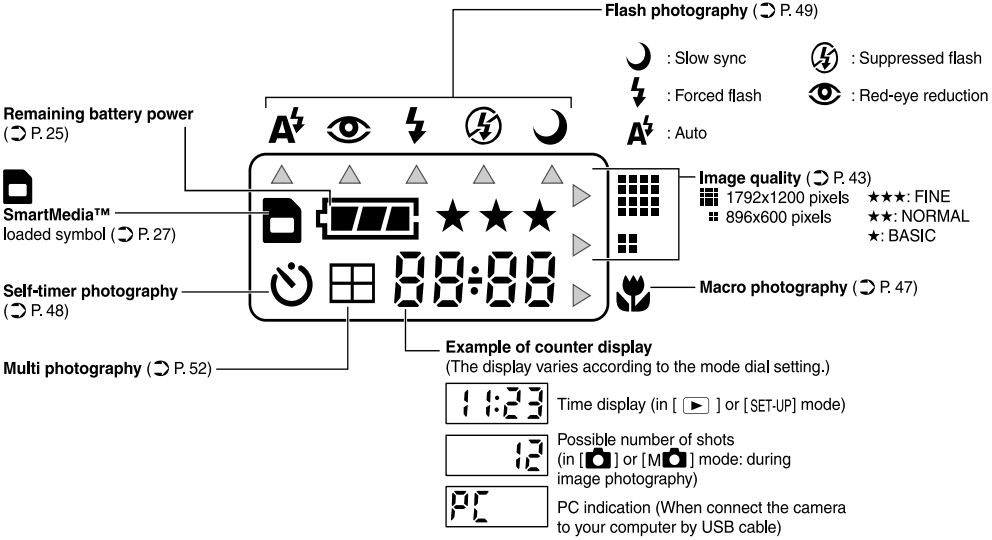
SET-UP mode (⊃ P. 80)
Sets basic camera settings (power OFF time, sound, time, display language, image number, TV setting and reset).

Playback mode (⊃ P. 61)
Selects the image playback or protect mode, resize, compression and other settings.

Status display

This display indicates the camera's status. You can verify the camera's status even if the LCD monitor is not on.

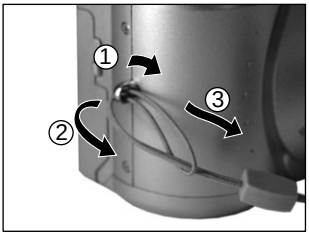
The text, numbers and icons that are displayed in the status display vary according to the setting.


Flash photography (⊃ P. 49)
: Slow sync
: Suppressed flash
: Forced flash
: Red-eye reduction
: Auto
Remaining battery power (⊃ P. 25)
SmartMedia™ loaded symbol (⊃ P. 27)
Image quality (⊃ P. 43)
1792x1200 pixels
896x600 pixels
★★★: FINE
★★: NORMAL
★: BASIC
Self-timer photography (⊃ P. 48)
Macro photography (⊃ P. 47)
Multi photography (⊃ P. 52)
Example of counter display
(The display varies according to the mode dial setting.)
11:23
Time display (in [▶] or [SET-UP] mode)
12
Possible number of shots (in [ ] or [M] mode: during image photography)
PC
PC indication (When connect the camera to your computer by USB cable)

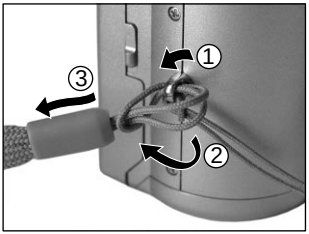
Attaching the Strap

This strap is handy for carrying your camera around.
To prevent your camera from dropping during photography, hang the strap around your wrist.

1 **Pass the leading end of the lens strap through the strap attachment ① , and then pass through both ends of the lens strap adjuster ② . Pull the lens strap through the loop until the loop slips over the plastic part of the strap ③ .**



2 **Attach the strap in the same way on the wrist strap attachment on the opposite side of the camera.**



Installing the Batteries

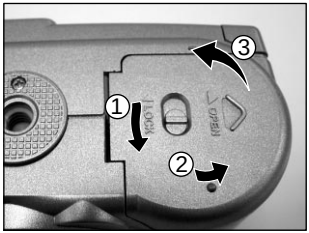
This camera uses four (4) size AA batteries.

Loading the Batteries

IMPORTANT

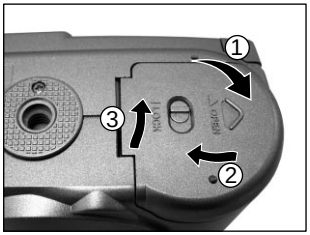
- Before you load or remove the batteries, be sure to turn the camera off.
- The camera may not start normally if you load batteries not on the power off status. In this case, turn off, then turn on again.

1 **Pull open the battery door in the direction of the open arrow.**



2 **Load the batteries in the battery compartment making sure they are loaded in their correct polarityctor of the terminals.**

3 **Close the battery door and move the lock switch in the direction of the Lock arrow.**



IMPORTANT

- Make sure that the battery cover is firmly closed.

Removing the Batteries

Reverse the procedure for “Loading the Batteries” and remove the batteries.

IMPORTANT

- When removing the batteries, take care not to drop the camera or the batteries by mistake.

Battery Wear

When the power is ON, the remaining battery power is displayed on the LCD monitor and the status display.

LCD Monitor	Status Display	Remaining Battery Power
		[FULL] Sufficient battery power, or the AC adapter is connected.
		[HALF] Half battery power or less
		[LITTLE] Little battery power left
		[EMPTY] No battery power left. Replace with new batteries.

IMPORTANT

- When you remove the batteries, the date and time may return to the default setting. If this happens, set them again when using the camera. (Page 82)

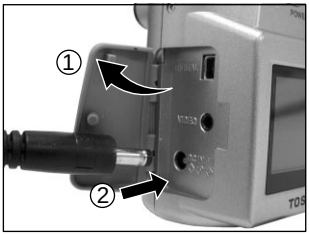
Using the Power Outlet

If you use the AC adapter in a room with a power outlet, you can take photographs for an extended period of time. This also prevents failed photographs due to battery wear or failed transfer of data to a PC. For details on handling the AC adapter, be sure to read page 14.

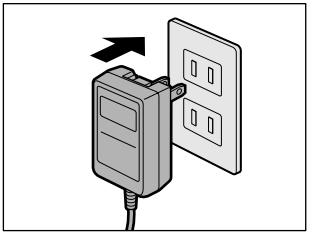
IMPORTANT

- Before you connect or disconnect the AC adapter, be sure to turn the camera off. If the AC adapter is connected or disconnected with the power ON, the camera may malfunction or the recorded data may be erased (destroyed) even if the batteries are loaded.
- The camera may not start normally if you load batteries not on the power off status. In this case, side the Power Knob to turn off the power, the turn on again.

1 Open the terminal cover① , and insert the AC adapter connector plug into the DC IN 5V terminal on the camera ②.



2 Insert the AC adapter power plug into the power outlet.



About SmartMedia™

"SmartMedia™" is a storage medium for saving images that you have photographed. Even if the camera's power is turned OFF, the images saved on the SmartMedia™ are not erased. SmartMedia™ can be repeatedly read and written.
SmartMedia™ having the following storage capacity can be used on your camera.

2MB/4MB/8MB (standard accessory)/16MB/32MB/64MB/128MB (all 3.3 V types)

You can also connect the PC card adapter (sold separately) or floppy disk adapter (sold separately) (Page 92) to transfer images to a PC.

Notes on SmartMedia™

- Recorded data may be erased (destroyed) in the situations listed below. Note that Toshiba Corporation accepts no responsibility whatsoever for the loss (destruction) of recorded data in these situations:
  - When the SmartMedia™ is used incorrectly by the user or a third party
  - When the SmartMedia™ is exposed to static electricity or electrical noise
  - When the SmartMedia™ is removed or the camera is then switched OFF during data recording, data erasing, frame advance when images are being played back or during formatting of the SmartMedia™.
- We recommend copying and saving important data onto another storage medium (floppy disk, hard disk, MO disk, etc.).
- Never remove the SmartMedia™ or switch the camera OFF during data recording or during data erasing (SmartMedia™ formatting). These actions might damage the SmartMedia™.
- Use only the SmartMedia™ specified for use with the PDR-M25. The use of other SmartMedia™ could damage the camera.
- SmartMedia™ are precision electronic devices. Do not bend, drop, or subject SmartMedia™ to excessive shocks. Also, do not carry SmartMedia™ in locations such as a trouser pocket. This might subject the SmartMedia™ to excessive force when you sit down, damaging the SmartMedia™.
- Do not use or store SmartMedia™ in environments likely to be affected by strong static electricity or electrical noise.
- Do not use or store SmartMedia™ in very hot, humid or corrosive environments.

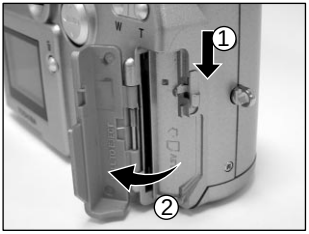
About SmartMedia™

- Take care not to touch the SmartMedia™'s electrodes (metal contacts) or allow the electrodes to become soiled. Use a dry lint-free cloth to wipe away any dirt.
- To avoid damage caused by static electricity during transportation or storage, always use the special static-free case provided.
- If you are not using the camera for a long period of time, remove the SmartMedia™ and store it in a safe place.
- Inserting a SmartMedia™ that is charged with static electricity into your camera may cause it to malfunction. If this occurs, switch the camera OFF and then ON again.
- The SmartMedia™ may feel warm when it is removed from the camera after the camera is used for a long time. This is normal and not a malfunction.
- The SmartMedia™ has a limited service life. If images can no longer be written or erased, buy a new SmartMedia™.
- Use the index labels provided with the camera. If you attach a commercially available label, it may cause a malfunction when the SmartMedia™ is loaded or removed.

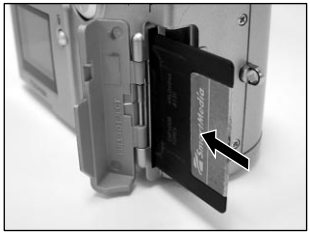
Loading SmartMedia™

1 **Slide the POWER knob to turn off the power.**

2 **Slide the SmartMedia™ door release knob in the direction of the arrow ① to open the cover ② .**



3 Gently insert the SmartMedia™ as far as it can go with the SmartMedia™ electrodes (metal contacts) facing down.



4 Close the SmartMedia™ door.

Before you use a new SmartMedia™, be sure to format the SmartMedia™ (Page 74).

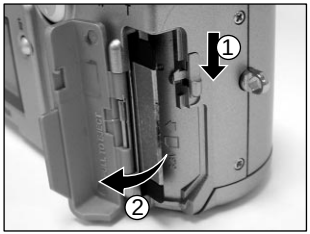
Removing SmartMedia™

IMPORTANT

- Never open the SmartMedia™ door or remove the SmartMedia™ while data is being recorded to the SmartMedia™ (viewfinder lamp flashes). This might damage the SmartMedia™ or corrupt the data on the SmartMedia™.

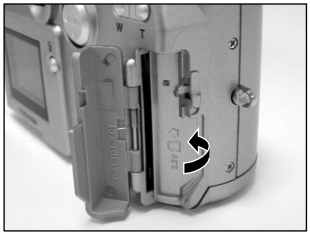
1 Slide the POWER knob to turn off the power.

2 **Slide the SmartMedia™ door release knob in the direction of the arrow ① to open the door ② .**



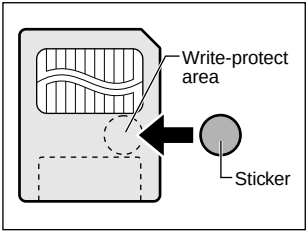
3 **Pull the SmartMedia™ out with your fingers.**

4 **Close the SmartMedia™ door.**



Write Protection

To prevent valuable data from being erased inadvertently, attach the write-protect sticker at the write-protect area. Data can no longer be recorded or erased from SmartMedia™. To write or erase data from SmartMedia™, peel off the sticker.



IMPORTANT

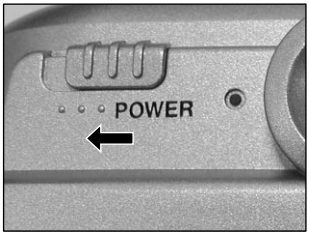
- The write protection may not function if the write-protect sticker becomes dirty. Use a soft dry cloth to wipe away any dirt. Once a sticker is peeled off it cannot be used again.

Turning the Power ON

1 Make sure that the SmartMedia™ is correctly loaded. (Page 28)

2 Slide the POWER knob to turn on the power and set the mode dial to the desired mode.

Remove the lens cap during photography.
In the [📷] or [M📷] modes, the lens extends from the camera body.
When the camera is turned ON, the Auto Power OFF function starts to work.



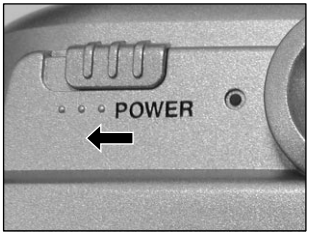
IMPORTANT

- If no operation is carried out for a fixed amount of time (default: about 1 minute), the power is turned off to prevent battery wear. This is called “Auto Power OFF”.
  ☞ About the Auto Power OFF Function AUTO-OFF (page 82)

Turning the Power OFF

1 Slide the POWER knob to turn off the power.

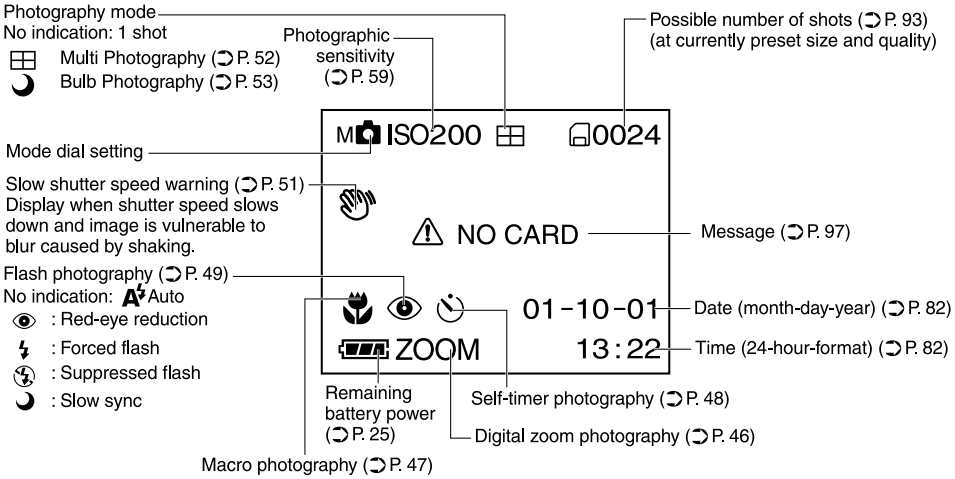
The power is turned off, and the lens returns to its original position in the body.



LCD Monitor Display

The text, numbers and icons that are displayed on the LCD monitor vary according to the current settings.
To erase text currently displayed on the LCD monitor, use the DISPLAY function in the MENU (Page 60 or 78).
The LCD monitor automatically turns ON if necessary even if it is set to OFF.

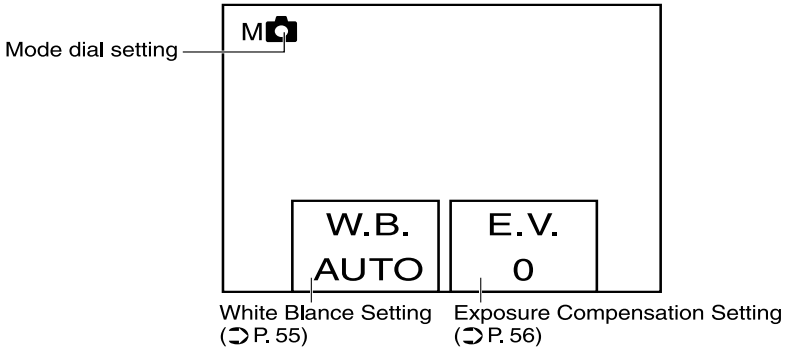
In Photography Mode ([ ])


Photography mode
No indication: 1 shot
Multi Photography (P. 52)
Bulb Photography (P. 53)
Photographic sensitivity (P. 59)
Possible number of shots (P. 93) (at currently preset size and quality)
M ISO200 0024
Mode dial setting
Slow shutter speed warning (P. 51)
Display when shutter speed slows down and image is vulnerable to blur caused by shaking.
NO CARD
Message (P. 97)
Flash photography (P. 49)
No indication: Auto
: Red-eye reduction
: Forced flash
: Suppressed flash
: Slow sync
01-10-01
Date (month-day-year) (P. 82)
ZOOM
13:22
Time (24-hour-format) (P. 82)
Remaining battery power (P. 25)
Self-timer photography (P. 48)
Digital zoom photography (P. 46)
Macro photography (P. 47)

Memo

- The size of the data to be recorded varies according to the amount of detail in the subject image. So, the number of images that can be photographed after an image is recorded decreases. Sometimes this amount decreases by two images.
- The display is momentarily disrupted after recording an image or the mode is switched. This does not affect photography.

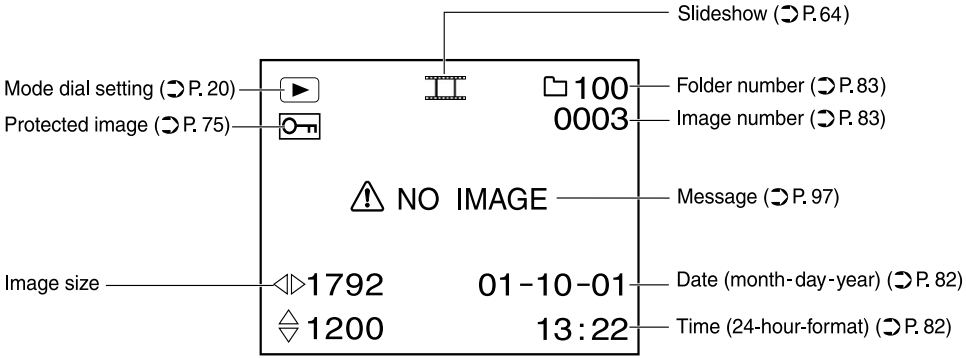
In Manual Photography Mode ([M📷])



Memo

- The display is momentarily disrupted after recording an image or the mode is switched. This does not affect photography.

In Playback Mode ([▶])



How to Hold Your Camera

When taking a photograph, hold the camera firmly and prevent your finger or straps from covering the lens or flash.

Right

Camera held with both hands with your arms firmly held against the sides of your chest

Wrong

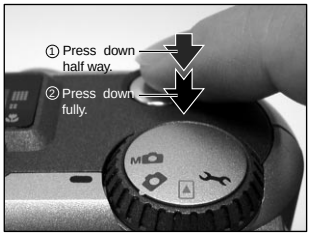
Fingers held over the lens

How to Press the Shutter Button

The shutter button can be pressed down in two stages: half way down and fully down. When pressed half way down, AF (auto-focus) and AE (auto exposure) are carried out. When pressed fully down, the camera takes a picture.

1 Press the shutter button down half way ①.

AF (auto-focus) and AE (auto exposure) (➲ Additional Information, Glossary (Page 101) start to function.
When AF or AE are locked, the beep tone (➲ Page 80) sounds and the viewfinder lamp lights. (➲ Page 39)



2 Press and hold the shutter button down fully ②.

The camera takes a picture.
The viewfinder lamp flashes while image data is being recorded onto the SmartMedia™.

IMPORTANT

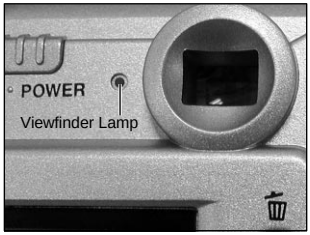
- Never open the SmartMedia™ door or remove the SmartMedia™ while an image is being recorded. This may corrupt the data on the SmartMedia™ or damage the SmartMedia™ itself.

Memo

- If the shutter button is pressed all the way down, photographs cannot be taken until AF and AE are locked.
- The image in the LCD monitor sometimes darkens from the time that the shutter button is pressed down half way until the image becomes focused.
- To focus or expose a position outside the center of the screen frame, move the subject you are taking to the center of the screen frame, and press down the shutter button half way and hold it until the camera beeps. Now, with the shutter button held down, return to the original picture that you composed and press the shutter button down fully. Moving the camera as you press the shutter button will result in a blurred image.
- The PDR-M25 uses an accurate auto focus mechanism. However, the PDR-M25 may have difficulty focusing or not be able to focus at all for subjects and situations such as the following:
  - Subjects moving at high speed
  - Very shiny subjects such as a mirror or car body
  - Extremely low contrast subjects
  - Subjects that have low contrast and merge into the background (such as white walls or subjects dressed in the same color as the background)
  - When the subject is distant and dark
  - When there are objects in front of or behind the subject (such as an animal in a cage or a person in front of a tree)
  - Subjects with little reflection, such as a hair or fur
  - Subjects with no solidity, such as smoke or flames
  - Subjects viewed through glass
- If the image cannot be focused, the focus is automatically fixed to infinity. When the flash is necessary at this time, it is simultaneously fixed to illuminate objects five feet (1.5 meters) away.

About the Viewfinder Lamp

The viewfinder lamp indicates the state of the camera. The meaning of the lamp may differ according to the mode dial setting.



Viewfinder Lamp State	Meaning
ON	[📷] or [M📷] AE or AF are locked with the shutter button held half down
Flashing	[Power ON] Writing to SmartMedia in progress Do not turn off the power [📷] or [M📷] Lens cannot work because of obstacle.

Photography (Auto Photography)

This is the most commonly used photography mode.
In this mode, exposure (combination of shutter speed and aperture) is automatically controlled to facilitate photography. There are two ways of taking photographs in this mode: using the viewfinder and using the LCD monitor.

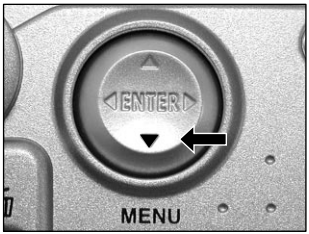
Using the Viewfinder

1 Get ready to take the photograph.
Load the batteries (Page 23) and the SmartMedia™ (Page 28) into the camera.

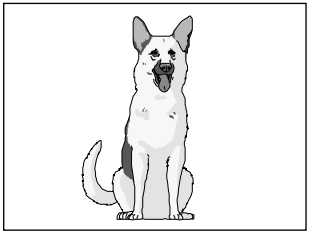
2 Slide the POWER knob to turn on the power.

3 Set the mode dial to [ ].

4 Press the ▼ (MENU) button. Use the ▲ or ▼ buttons to select the DISPLAY item and press the ▶ button. Select OFF to turn the LCD monitor display off.
To reduce the amount of battery wear, we recommend turning the LCD monitor display OFF, and using the viewfinder to take photographs.

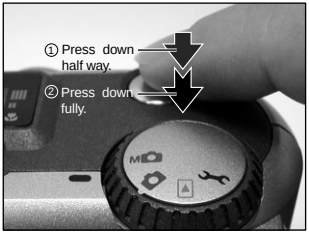


5 **Look through the viewfinder to compose the picture.**



6 **Press the shutter button down half way ① , and press it down fully ② .**

- Pressing the shutter button down half way adjusts the exposure, and pressing the shutter button down fully takes the shot.
- When the focus and exposure are adjusted, the viewfinder lamp lights. (Page 39)
- If you shoot a picture, when preview is set to ON (Page 59), a preview image is displayed on screen for about two seconds.
- The viewfinder lamp flashes while image data is being recorded onto the SmartMedia™.



Using the LCD Monitor

1 **Get ready to take the photograph.**
Load the batteries (Page 23) and the SmartMedia™ (Page 28) into the camera.

2 **Slide the POWER knob to turn on the power.**

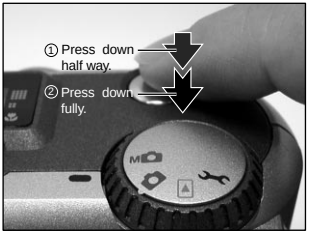
3 Set the mode dial to [ ].

4 Look at the image on the LCD monitor to compose the picture.

☞ To adjust the brightness of the LCD monitor ➲ Page 79

5 Press the shutter button down half way① , and press it down fully ② .

- Pressing the shutter button down half way adjusts the exposure, and pressing the shutter button down fully takes the shot.
- When the focus and exposure are adjusted, the viewfinder lamp lights. (➲ Page 39)
- If you shoot a picture, when preview is set to ON (➲ Page 59), a preview image is displayed on screen for about two seconds.
- The viewfinder lamp flashes while image data is being recorded onto the SmartMedia™.



Memo

- The LCD monitor sometimes displays bright, dark or colored spots at all times. This is not a malfunction. These spots do not appear in the photographed image.
- The image is not displayed on the LCD monitor while the shutter button is pressed down fully.

Setting the Image Size and Quality

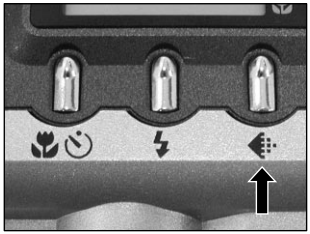
Set the size (number of pixels) and quality (compression ratio) of the image to be photographed.
Change the setting according to how the image is to be used and the remaining amount of space in the SmartMedia™.

1 Slide the POWER knob to turn on the power.

2 Set the mode dial to [ ] or [M].

3 Press the image quality button to set the required quality and size while viewing the image on the status display.

Pressing the image quality button displays the available qualities and sizes in order. Select from the available combinations of quality and size.



★★FULL (default) → ★★★FULL → ★HALF → ★★HALF → ★★★HALF → ★FULL

<Quality> [★★★] FINE : Low compression
[★★] NORMAL : Middle compression
[★] BASIC : High compression
The more stars there are, the better image quality becomes. Higher quality images, however, take up more memory space, reducing the number of images that can be taken.

<Size> [FULL] 1792 x 1200 pixels, [HALF] 896 x 600 pixels
The FULL setting improves the quality of the image. Higher quality images, however, take up more space, reducing the number of images that can be taken.

4 **Take the photograph.**

☞ For details on how to take photographs ▶ Page 40

Memo

- To make the image smaller, it is more effective to reduce the size and then reduce image quality.
- After you have taken a photograph, you can change its size (▶ Page 65) and quality (▶ Page 67).
- The memory size of the image varies according to the subject.
- The settings are not canceled even if the camera is turned off or the Auto Power OFF function is activated.
- The settings are canceled when you remove or insert the batteries or disconnect or connect the AC adapter.

Zoom Photography

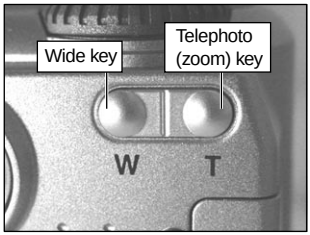
Zoom photography allows you to take zoom shots and wide angle shots.

1 Slide the POWER knob to turn on the power.

2 Set the mode dial to [ ] or [M].

3 Compose the picture using the Zoom key.

- Pressing the Telephoto (zoom) key zooms in on the subject, and enlarges the subject on the LCD monitor.
- Pressing the Wide key provides a wider angle picture.
- The lens position moves according to the Zoom key setting.



4 Press the shutter button down half way, and press it down fully. **Page 37**

Memo

- The Zoom key setting is automatically canceled by either turning the camera off or by activation of the Auto Power OFF function.

Digital Zoom Photography

This function enlarges the center of the image displayed on the screen so that it appears that the photographed image is enlarged twice its size.
The LCD monitor automatically turns ON in this mode. Take pictures while viewing the image in the LCD monitor.

1 Set the mode dial to [ ] or [M].
In the Manual Photography mode, press the ENTER button to set the manual setup screen to non-display. Page 54

2 Press the Telephoto(zoom) key as far as it can go.
[ZOOM] is displayed in the LCD monitor and the center of the screen is enlarged at twice the original size.

3 Look at the image on the LCD monitor to compose the picture.
☞ Using the LCD Monitor Page 33

4 Press the shutter button down half way, and press it down fully. Page 37

5 To cancel digital zoom photography, press the Wide key.

Memo

- The image size is fixed to HALF (896 x 600 pixels) in the Digital Zoom Photography mode. However, in the MULTI mode, you can take pictures even at FULL (1792 x 1200 pixels). (Page 52)
- Digital zoom photography is automatically canceled by either turning the camera off or by activation of the Auto Power OFF function.

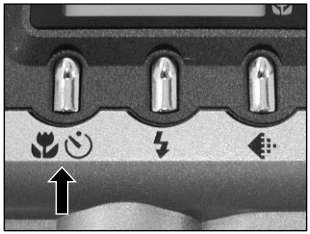
Close-up Photography (Macro Photography)

The macro photography mode is used when the distance to the subject is between 8 cm at wide to 40 cm.
In the macro photography mode, the LCD monitor automatically turns ON. Take the photograph while viewing the LCD monitor.

1 Set the mode dial to [ ] or [M].

2 Press the button to set to the macro mode.

[ ] is displayed on the LCD monitor and the arrow directs to the Macro icon. In the Manual Photography mode, [ ] is not displayed on the LCD monitor when the manual setup screen is displayed. Press the ENTER button to set the manual setup screen to non-display. Page 54



Pressing the button displays the available Self-timer and Macro modes in order.

[ ] Self-timer → [ ] Macro → [ ] Self-timer & Macro → Off

3 Look at the image on the LCD monitor to compose the picture.

☞ Using the LCD Monitor Page 33

4 Press the shutter button down half way, and press it down fully. Page 37

5 To cancel macro photography, press the button until off.

Memo

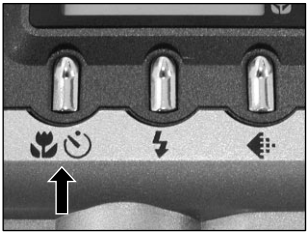
- Macro photography is not canceled even if the camera is turned off or the Auto Power OFF function is activated.
- Only the [ ] Suppressed Flash and [ ] Forced Flash modes can be set for flash photography.
- The settings are canceled when you remove or insert the batteries or disconnect or connect the AC adapter.

Photography Using the Self- timer (Self- timer Photography)

When the self-timer is used, the shutter automatically closes after the preset time (two or ten seconds).
☞ Changing the set time until photography ➲ Page 59

1 Set the mode dial to [📷] or [M📷].

2 Press the 🌷/⏲ button to set to the self-timer mode.



[⏲] is displayed on the LCD monitor and the status display.
In the Manual Photography mode, [⏲] is not displayed on the LCD monitor when the manual setup screen is displayed.
Press the ENTER button to set the manual setup screen to non-display. ➲ Page 54
Pressing the 🌷/⏲ button displays the available Self-timer and Macro modes in order.

[⏲] Self-timer → [🌷] Macro → [⏲ 🌷] Self-timer & Macro → Off

3 Compose the picture.

4 Press the shutter button down half way, and press it down fully. ➲ Page 37

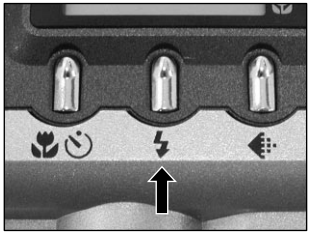
The self-timer lamp flashes after lighting in red. The photograph is then taken after the preset time (two or ten seconds).
When photographs are taken using the LCD monitor, the count down is displayed.
To cancel photography midway, press the ▼ button.
After you have set the self-timer, the setting is not canceled even if the camera is turned off or the Auto Power OFF function is activated.
The setting is canceled when you execute the self-timer photography, remove or insert the batteries or disconnect or connect the AC adapter.

Photography Using the Flash (Flash Photography)

In the default setting, the flash will be automatically set to function in dark places. No special setting is needed to set off the flash. The flash firing mode can be set to suit the conditions where the flash is to be fired.
The effective firing distance of the flash is approximately 1.3 ft (0.4 m) to 8.2 ft (2.5 m).

1 Set the mode dial to [ ] or [M].

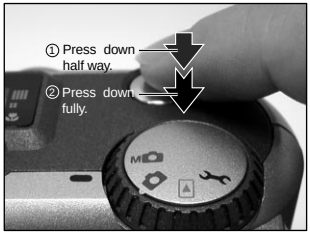
2 Press the flash button to set to the desired mode while viewing the image on the LCD monitor or the status display.



The icon for the mode that you selected is displayed in the LCD monitor or the status display.
In the Manual Photography mode, the icon for the mode that you selected is not displayed on the LCD monitor when the manual setup screen is displayed.
Press the ENTER button to set the manual setup screen to non-display. Page 54
Pressing the flash button displays the available flash modes in order.

[ ] Auto → [ ] Red-Eye Reduction → [ ] Forced Flash → [ ] Suppressed Flash → [ ]Slow Sync

3 Compose the picture. Press the shutter button down half way ① , and press it down fully ② .



[A] Auto

In this mode, the flash fires automatically according to the photography conditions. This mode is ideal for general photography where you are not trying to achieve any particular effect (when using macro photography, the flash does not fire).

[◉] Red-Eye Reduction

Use this mode to avoid the red-eye effect (Additional Information, Glossary (Page 101)) when photographing people in low-light conditions.
The flash emits a pre-flash just before the picture is taken and then flashes again to take the actual picture. Red-eye is reduced more effectively if the camera is pointed at the line of sight of the subject at as close a distance as possible.

[ϟ] Forced Flash

In this mode, the flash always fires. Use the Forced Flash mode to shoot pictures in artificial light (backlighting, fluorescent lighting, etc.).
The flash also fires during macro photography.

[⊘] Suppressed Flash

Use the Suppressed Flash mode when you are taking pictures in indoor lighting at distances too great for the flash to have any effect, such as theater performances or indoor sporting events.

[☾] Slow Sync

The flash is fired at a slower shutter speed.

Memo

- If you take a photograph in the [ ] Slow Sync mode at a place with a dark background or in the [ ] Suppressed Flash mode at a dark place, the shutter speed slows down, and the slow shutter speed warning is displayed. (When the shutter is pressed half way down, the viewfinder lamp lights and the slow shutter speed mark [ ] is displayed in the LCD monitor.) We recommend using a tripod to prevent blurred image caused by shaking.
- Using the flash during multi photography and bulb photography is not possible.
- The flash setting is not canceled even if the camera is turned off or the Auto Power OFF function is activated.
- The settings are canceled when you remove or insert the batteries or disconnect or connect the AC adapter.
- It may take a few seconds to charge the flash. Photography by using the flash is not possible while the charging is in progress. So wait until the charging is completed.

Multi Image Photography (Multi Photography)

This mode takes 16 shots continuously at 0.25 second intervals. The 16 photographed images are saved as one image.
This mode is effective for continuously photographing moving subjects.

1 Set the mode dial to [📷] or [M📷].

2 Set the REC. mode to [MULTI].

1. Press the ▼(MENU) button.
2. Use the ▲ or ▼ buttons to select [REC.MODE] and press the ▶ button.
3. Use the ▲ or ▼ buttons to select [MULTI] and press the ENTER button.
4. Press the ENTER button.

☞ For details on the REC. mode, ◐ Page 58.

[⊞] is displayed in the LCD monitor or the status display.
In the Manual Photography mode, [⊞] is not displayed on the LCD monitor when the manual setup screen is displayed.
Press the ENTER button to set the manual setup screen to non-display. ◐ Page 54

3 Compose the picture, press the shutter button down half way, and press it down fully. ◐ Page 37

The shutter is opened and closed 16 times.

Memo

- The photography interval changes according to the photographic conditions.
- Flash photography is not possible.
- The settings are not canceled even if the camera is turned off or the Auto Power OFF function is activated.
- The settings are canceled when you remove or insert the batteries or disconnect or connect the AC adapter.

Long Exposure Photography (Bulb Photography)

This mode is used for taking subjects that require several seconds to photograph such as firework displays at night. When using this mode, be sure to use a tripod to keep the camera stable and prevent distorted images.

1 Set the mode dial to [ ] or [M].

2 Set the REC. mode to [BULB].

1. Press the ▼(MENU) button.
2. Use the ▲ or ▼ buttons to select [REC.MODE] and press the ▶ button.
3. Use the ▲ or ▼ buttons to select [BULB] and press the ENTER button.
4. Press the ENTER button.

☞ For details on the REC. mode ◐ Page 58

[ ] and [ ] are displayed in the LCD monitor and the arrow directs to their icons.
In the Manual Photography mode, [ ] and [ ] are not displayed on the LCD monitor when the manual setup screen is displayed.
Press the ENTER button to set the manual setup screen to non-display. ◐ Page 54

3 Compose the picture, press the shutter button down half way, and press it down fully. ◐ Page 37

The camera takes the picture at the set exposure time.
During the exposure, the viewfinder lamp flashes.
It takes about twice the set time to complete taking the photograph due to processing of the captured image.

☞ Changing the exposure time ◐ Page 59

Memo

- Flash photography is not possible.
- The settings are not canceled even if the camera is turned off or the Auto Power OFF function is activated.
- The settings are canceled when you remove or insert the batteries or disconnect or connect the AC adapter.

Taking Photographs Manually (Manual Photography)

You can manually adjust conditions such as white balance and exposure compensation, and take photographs at these conditions. This is called “manual photography.” Settings made in this mode are saved even if the camera is turned off.

IMPORTANT

- If you remove or insert the batteries or disconnect or connect the AC adapter, the manual photography settings will return to their defaults. If this happens, manually set the conditions again.
- The settings are not canceled even if the camera is turned off or the Auto Power off function is activated.

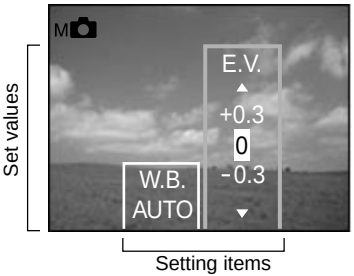
1 Set the mode dial to [M📷].

The manual setup screen is displayed.
Display or non-display of the manual setup screen is toggled at each press of the ENTER button.

☞ If the LCD monitor is difficult to view ➲ Page 85

2 Press the ◀ or ▶ buttons to select the setting item and the ▲ or ▼ buttons to select the set value.

☞ [W.B.] White balance ➲ Page 55
[E.V.] Exposure compensation ➲ Page 56



3 Press the ENTER button.

This fixes the setting.
The camera is ready to take photographs.

4 Compose the picture, press the shutter button down half way, and press it down fully. Page 37

The camera takes the picture.

Memo

- Photography is also possible with the manual setup screen displayed.

W.B. (White Balance)

☞ White Balance Additional Information, Glossary (Page 101)

The camera determines the white balance by averaging the various kinds of light that enters the lens. This setting allows you to set the white balance when taking photographs under specific lighting conditions. This setting does not function when the flash is used to take photographs.

[AUTO] : Automatic adjustment (default)
[☀] : Photography outdoors
[蛍1] : Photography in cool white fluorescent light
[蛍2] : Photography in standard fluorescent light
[白] : Photography in incandescent light

E.V. (Exposure Compensation)

☞ E.V. (Exposure Compensation) ➲ Additional Information, Glossary (Page 101)

This setting allows you to lighten or darken the entire screen. Use this setting when the optimum brightness (exposure) cannot be obtained, for example, when there is a lot of contrast between the subject and the background or when the subject to photograph occupies only an extremely small part of the screen. Increasing E.V. lightens the screen, while decreasing E.V. darkens the screen.

[+1.5/+1.2/+0.9/+0.6/+0.3/0 (default)/–0.3/–0.6/–0.9/–1.2/–1.5]

The ideal brightness sometimes cannot be obtained even if a large E.V. value is set in dark photographic conditions.
Also, the brightness of moving images before they are photographed sometimes does not change if the subject itself is dark. In this case, press the shutter button, and check the brightness in the preview image (photographed image).
(preview photography ➲ Page 59)

Effective Subjects and Set Values

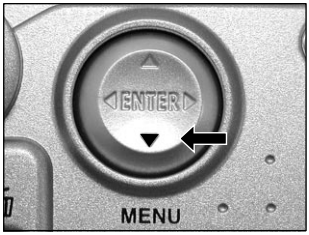
- Positive (+) Compensation
  - Copying of printed text (black characters on white paper) (+1.5)
  - Backlit portraits (+0.6 to +1.5)
  - Very bright scenes (such as snowfields) and highly reflective subjects (+0.9)
  - Shots made up predominantly of sky (+0.9)
- Negative (–) Compensation
  - Spotlit subjects, particularly against dark backgrounds (–0.6)
  - Copying of printed text (white characters on black paper) (–0.6)
  - Scenes with low reflectivity, such as shots of green or dark foliage (–0.6)

Changing the Preset Conditions (REC MENU)

This menu is for setting the basic settings to be used for photography in the [📷] automatic photography and [M📷] manual photography mode.
The settings are not canceled even if the camera is turned OFF or the Auto Power OFF function is activated. The settings (except the LCD monitor brightness) are canceled when you remove or insert the batteries or disconnect or connect the AC adapter.

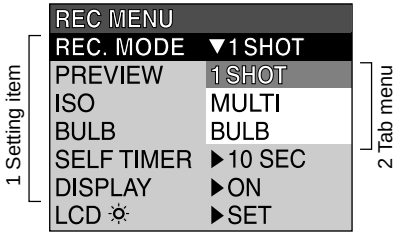
1 Set the mode dial to [📷] or [M📷].

2 Press the ▼(MENU) button.
The REC MENU is displayed.



3 Use the ▲ or ▼ buttons to select the desired setting item① and press the [▶] button.
The tab menu ② is displayed.
The image before the photograph is taken is displayed on the LCD monitor when selecting [LCD].

☞ REC. MODE ➲ Page 58
PREVIEW ➲ Page 59
ISO ➲ Page 59
BULB ➲ Page 59
SELF TIMER ➲ Page 59
DISPLAY ➲ Page 60
LCD ➲ Page 60



4 Use the ▲ or ▼ buttons to select the desired setting from the tab menu, and press the ENTER button.
This saves the settings, and returns the display to the REC MENU.

5 **To quit the REC MENU, press the ENTER button.**
The camera is now ready to take photographs.

REC. MODE

Select from the following photography modes:
[1SHOT] : Regular photography, one shot at a time (default)
➲ "Taking Photographs (page 40)"
[MULTI] : Continuously taking 16 photographs as a single image
➲ "Multi Image Photography (page 52)"
[BULB] : Taking photographs at a longer exposure time
➲ "Long Exposure Photography (page 53)"

Photography Mode and Functions

You can combine photography modes and the various functions for extra flexibility.
The following table shows the possible combinations of photography mode functions:

		Macro	Self-timer	Digital zoom	Flash
Photography Mode	1SHOT	O	O	O	O
	MULTI	O	O	O	X
	BULB	O	O	O	X

O: Possible
X: Not possible

PREVIEW

This setting allows you to display a photographed image on the LCD monitor for two seconds immediately after you have taken the shot.
This allows you check the composition and brightness of the photographed image.

[ON] : Display preview (default)
[OFF] : Do not display preview

ISO

Sets the color mode and photographic sensitivity at which the image is to be recorded.
Warning: Noise increases when the ISO is changed to a higher setting.

[ISO100] : Equivalent to color ISO100 (default)
[ISO200] : High-sensitive photography equivalent to color ISO200
[ISO400] : High-sensitive photography equivalent to color ISO400
[B&W] : Black and white

BULB

Sets the exposure time when taking pictures in the bulb photography mode (☞ Page 53).

[1SEC] : Opens shutter for about 1 second (default)
[2SEC] : Opens shutter for about 2 seconds

SELF TIMER

Sets the delay time for when the photograph is taken after the shutter button is pressed during self-timer photography (☞ Page 48).

[10SEC] : Picture taken after a 10-second delay (default)
[2SEC] : Picture taken after a 2-second delay

DISPLAY

Sets the on-screen display status in REC. MODE and PLAY MODE.

[OFF] : Both the LCD monitor and the on-screen display are turned off.
[ON] : Only the LCD monitor is turned on.
[ALL] : Both the LCD monitor and the on-screen display.

LCD

Adjusts the brightness of the LCD monitor. This adjustment does not adjust the brightness of the image to be recorded.

[-5] to [+5]

☞ To adjust the brightness of the LCD monitor ➲ Page 85

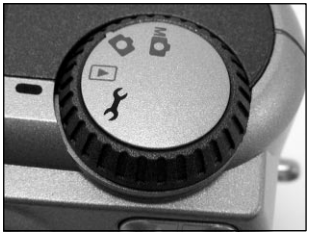
Playing Back Photographed Images (Single- Frame Playback)

Play back photographed images one image at a time.

1 Set the mode dial to [▶].

The last image frame appears on the LCD monitor.

☞ To adjust the brightness of the LCD monitor ◐ Page 85
Changing the LCD monitor display ◐ Page 78



2 Press the ◀ or ▶ buttons to move forward and reverse.

◀ Frame reverse/ ▶ Frame forward

Holding down the ◀ or ▶ buttons moves forward or reverse continuously one frame at a time.

Memo

- Pressing the ▶ button at the last image displays the first image, and pressing the ◀ button at the first image displays the last image.

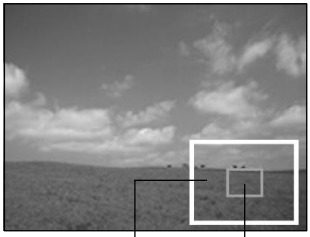
Enlarging Photographed Images (Zoom Playback)

Enlarges selected portions of images being played back 3 times actual size. Images can be displayed enlarged when being played back one image at a time.

1 Set the mode dial to [▶].
The last image frame appears on the LCD monitor.

2 Use the ◀ or ▶ buttons to select the frame you want to enlarge.
You can also select the image by the same operation as for thumbnail playback (Page 63).

3 Enlarge the image by using the Zoom key.
Pressing the Telephoto (zoom) key zooms to 3X.
The image is displayed enlarged, and a white frame and green frame are displayed on the LCD monitor.
The white frame indicates the entire image, while the green frame shows the location of the currently enlarged area.



4 Use the ▲, ▼, ◀ or ▶ buttons to select the area to enlarge.
Adjust the display area to enlarge while viewing the white and green frames.

5 To return to the regular display, press the ENTER button.

Memo

- Not support Zoom Playback function on TV.
- The Zoom Playback function is automatically canceled by either turning the camera off or by activation of the Auto Power OFF function.

Displaying a List of Images (Thumbnail Display)

Nine reduced images are simultaneously displayed on the LCD monitor. This manual calls this display “thumbnail display.”
This feature is useful, for example, when there are many images. After you have displayed the thumbnail display, you can select the desired image and display it in the regular display.

1 Set the mode dial to [►].
The last image frame appears on the LCD monitor.

2 Press the ENTER button.
Nine images are displayed simultaneously.

3 Use the ▲, ▼, ◄ or ► buttons to move the cursor to select the image to be displayed at regular size.
The cursor lies on top of the image surrounded by a frame.
Pressing the buttons continuously moves the cursor continuously.

4 Press the ENTER button.
The selected image is displayed at its regular size.

Memo

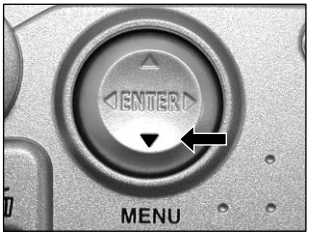
- The Thumbnail Display function is automatically canceled by either turning the camera o or by activation of the Auto Power OFF function.

Auto Playback (Slideshow)

Automatically play back one image at a time in order.

1 Set the mode dial to [▶].
The last image frame appears on the LCD monitor.

2 Press the ▼(MENU) button.
The PLAY MENU is displayed.



3 Use the ▲ or ▼ buttons to select [SLIDE] and press the ▶ button.
The slideshow begins and [▭] is displayed on the LCD monitor.
The next image is displayed every three seconds.

PLAY MENU	
FOLDER	▶SET
SLIDE	▶SET
PROTECT	▶SET
RESIZE	▶SET
QUALITY	▶SET
DISPLAY	▶ON
LCD ☼	▶SET

4 To quit the slideshow, press the ENTER button.
The slideshow is repeated until the ENTER button is pressed.
The LCD monitor displays the image when the ENTER button is pressed.

Memo

- The Auto Power OFF function does not operate during automatic playback.

Reducing the Image Size (Resize)

Changes the size of FULL size (1792 x 1200 pixels) images to half the size (896 x 600 pixels) in the horizontal and vertical directions, and overwrites the old FULL size image with the new size image. This is called “resizing” in this manual.
Resizing a previously saved image when the SmartMedia™ has run out of storage space during photography increases space on SmartMedia™ so that you can continue taking photographs.

The following images cannot be resized:

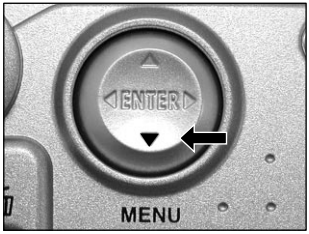
- HALF size images
- Images taken with another camera
- Protected images (Page 75)
- Images cannot also be resized when the SmartMedia™ is write-protected.

1 Set the mode dial to [►].

The last image frame appears on the LCD monitor.

2 Press the ▼(MENU) button.

The PLAY MENU is displayed.

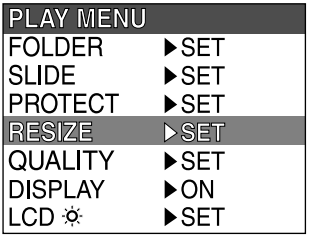


Memo

- Only FULL size (1792 x 1200 pixels) images can be reduced. Further reduction of HALF size (896 x 600 pixels) images is not possible.

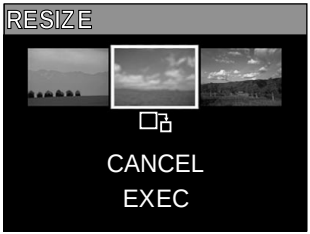
3 Use the ▲ or ▼ buttons to select [RESIZE] and press the ▶ button.

The RESIZE menu is displayed.
If there are no images that can be resized, a message appears on screen and the screen returns to the PLAY MENU.



4 Use the ◀ or ▶ buttons to select the image and press the ENTER button.

This fixes the image to be displayed, and [⧉] is displayed under the image.
To cancel the selection, press the ENTER button again.
If you want to resize two or more images, repeat the procedure for each image.



5 Use the ▲ or ▼ buttons to select [EXEC], and press the ENTER button.

The screen indicating that the image is being resized appears.
To quit resizing, select [CANCEL].
When resizing ends, the screen returns to the PLAY MENU.
To quit the PLAY MENU, press the ENTER button.

Compressing Images (Quality)

Compresses images to half their size, and overwrites the old size image with the new compressed image. Compressing a previously saved image when the SmartMedia™ has run out of storage space during photography increases space on SmartMedia™ so that you can continue taking photographs.

The following images cannot be compressed:

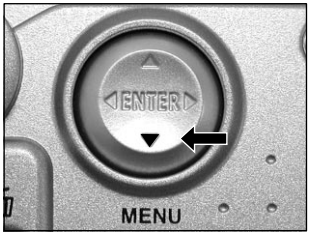
- [★] (BASIC) image quality images
- Images taken with another camera
- Protected images (Page 75)
- Images cannot also be compressed when the SmartMedia™ is write-protected.

1 Set the mode dial to [►].

The last image frame appears on the LCD monitor.

2 Press the ▼(MENU) button.

The PLAY MENU is displayed.

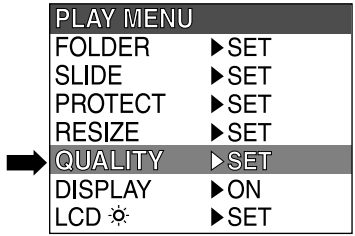


Memo

- Compression of images can be accomplished only in the following order:
  ★★★(FINE) → ★★(NORMAL) → ★(BASIC).
  The reverse is not possible.

3 Use the ▲ or ▼ buttons to select [QUALITY], and press the ▶ button.

The QUALITY menu is displayed.
If there are no images that can be compressed, a message appears on screen and the screen returns to the PLAY MENU.



4 The current compression ratio (quality) is displayed under the image.

Each press of the ENTER button changes the number of stars as follows:

[★★★] : FINE
[★★] : NORMAL
[★] : BASIC

☞ Details of quality setting ➲ Page 43

If you want to compress two or more images, repeat the procedure for each image.

5 Use the ▲ or ▼ buttons to select [EXEC], and press the ENTER button.

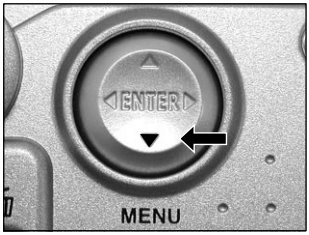
The screen indicating that the image is being compressed appears.
To quit compression, select [CANCEL].
When compression ends, the screen returns to the PLAY MENU.
To quit the PLAY MENU, press the ENTER button.

Selecting the Folder to Play Back

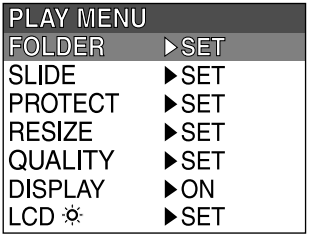
Select the folder to play back when the currently loaded SmartMedia™ contains two or more folders.

1 Set the mode dial to [►].
The last image frame or the thumbnail display appears on the LCD monitor.

2 Press the ▼(MENU) button.
The PLAY MENU is displayed.



3 Use the ▲ or ▼ buttons to select [FOLDER], and press the ▶ button.
The names of the folders in the currently loaded SmartMedia™ are displayed.



4 Use the ▲ or ▼ buttons to select the folder to be displayed, and press the ENTER button.

About Folder Names

Images photographed on this camera are recorded to a folder. You cannot choose in which folder to store images. The [100] folder is created when you have photographed images. When the number of images reaches the largest number (9999), a new folder [101] is created.

When there are two or more folders, the playback folder default is the one whose folder number is larger.

Memo

- When you use SmartMedia™ on your PC, a folder [xxxTOSHI] is created.

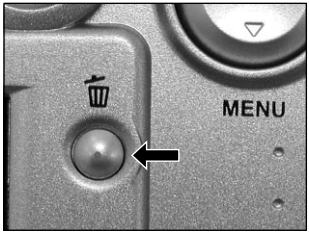
Erasing Images (Erase Frame)

Erases one image at a time.
Note, however, that images cannot be erased when they are protected (Page 75) or the SmartMedia™ is write-protected (Page 31).

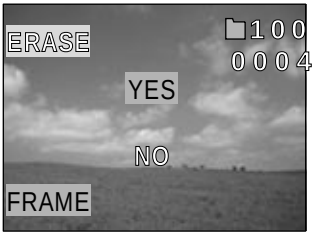
1 Set the mode dial to [▶], [📷] or [M📷].
When [▶] is selected, the last image frame appears on the LCD monitor.

2 When [▶] is selected, use the ◀ or ▶ buttons to select the image to be erased.
When [📷] or [M📷] is selected, the last image is selected.

3 Press the 🗑 erase button.
[FRAME] or [LAST] is displayed at the bottom left of the screen.



4 Use the ▲ or ▼ buttons to select [YES], and press the ENTER button.
This erases the image and returns to the previous mode.
To cancel erasing of image data, select [NO], and press the ENTER button.



5 **To continue erasing images, repeat the above procedure from step 2.**

Memo

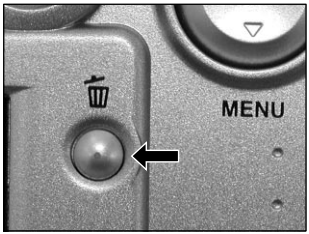
- When [⚠ PROTECT] is displayed on the LCD monitor, cancel the protection (☞ Page 77).
- If you take a photograph after erasing an image, a number continuing from the last photographed image is assigned as the image number.

Erasing All Images in a Folder (Erase All)

Erases all images within the currently selected folder.
For details on folders, see “Selecting the Folder to Play Back” (☞ Page 69).
Note, however, that images cannot be erased when they are protected (☞ Page 75) or when the SmartMedia™ is write-protected (☞ Page 31).

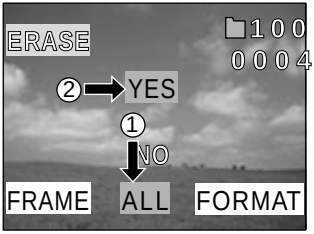
1 Set the mode dial to [▶], [📷] or [M📷].
When [▶] is selected, the last image frame appears on the LCD monitor.

2 Hold down the 🗑 erase button for two seconds.
The ERASE menu is displayed.



3 Use the ◀ or ▶ buttons to select [ALL] ① .
Make sure that [ALL] at the bottom center of the image is displayed in yellow.

4 Use the ▲ or ▼ buttons to select [YES] ② , and press the ENTER button.
This erases the images and returns to the previous mode.
To cancel erasing of image data, select [NO], and press the ENTER button.
When [▶] is selected, [⚠ NO IMAGE] is displayed after the images are erased (unless the SmartMedia™ contains protected images).



Memo

- The folder is not erased even if you execute ERASE ALL. PDR-M25 does not display the folder not containing any image.
- To erase the images in another folder, specify the folder by [FOLDER] and then erase the images. (☞ Page 71)

Formatting the SmartMedia™

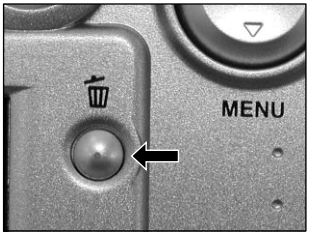
Formatting erases all images currently recorded on the SmartMedia™ loaded on your camera. Protected images (Page 75) are also erased. SmartMedia™ cannot be formatted if it is write-protected (Page 31).

IMPORTANT

- The SmartMedia™ must be formatted on the camera before use.

1 Set the mode dial to [▶], [📷] or [M📷].
When [▶] is selected, the last image frame appears on the LCD monitor.

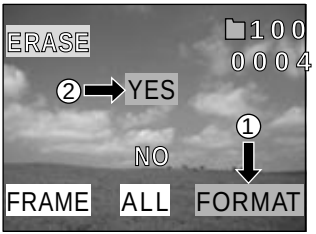
2 Hold down the 🗑 erase button for two seconds.
The ERASE menu is displayed.



3 Use the ◀ or ▶ buttons to select [FORMAT] ①.
Make sure that [FORMAT] is displayed in yellow at the bottom right of the screen.

4 Use the ▲ or ▼ buttons to select [YES] ②, and press the ENTER button.
To cancel formatting, select [NO], and press the ENTER button.

5 To reset the image number, use the ▲ or ▼ buttons to select [YES], and press the ENTER button.
To cancel resetting of image numbers, select [NO], and press the ENTER button.



Protecting Images

This feature prevents images from being erased.

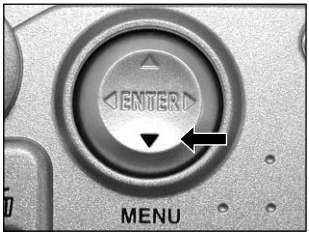
IMPORTANT

- Formatting erases all the images on a SmartMedia™, regardless of whether they are protected or not.
- To protect the entire SmartMedia™, see “Write Protection” (Page 31).

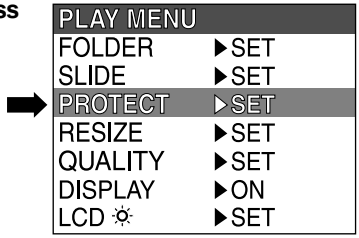
Protecting an Image

1 Set the mode dial to [►].
The last image frame appears on the LCD monitor.

2 Press the ▼(MENU) button.
The PLAY MENU is displayed.

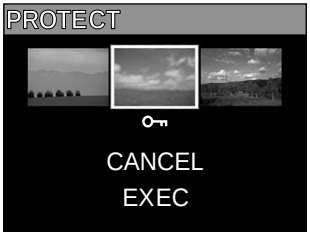


3 Use the ▲ or ▼ buttons to select [PROTECT] and press the ▶ button.
The PROTECT menu is displayed.



4 Use the ◀ or ▶ buttons to select the desired image to protect, and press the ENTER button.

This fixes the image to be protected, and [⊶] is displayed under the image.
To cancel the selection, press the ENTER button again.
To write-protect two or more images, repeat this procedure for each image.



5 Use the ▲ or ▼ buttons to select [EXEC], and press the ENTER button.

To quit write-protection, select [CANCEL].
When write-protection ends, the screen returns to the PLAY MENU.
To quit the PLAY MENU, press the ENTER button.

Memo

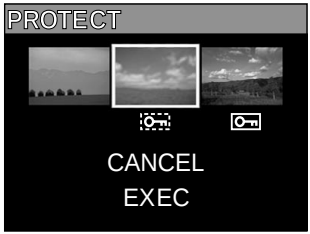
- When the PROTECT setup screen is displayed again, [⊶] is displayed under protected images.
- To cancel write-protection for an image, write-protection is simultaneously canceled if set at step 4.

Removing the Protection

1 **Carry out steps 1 to 3 in “Protecting An Image”.**

2 **Use the ◀ or ▶ buttons to select the image to unprotect, and press the ENTER button.**

This fixes the images whose protection is to be removed, and [ ] under the image changes to [ ].
To unprotect an image, press the ENTER button again.
To remove the protection from two or more images, repeat this procedure for the necessary number of images.



3 **Use the ▲ or ▼ buttons to select [EXEC], and press the ENTER button.**

To quit write-protection, select [CANCEL].
When write-protection ends, the screen returns to the PLAY MENU.
To quit the PLAY MENU, press the ENTER button.

Memo

- To protect an image again, write-protection is simultaneously carried out if set at step 2.

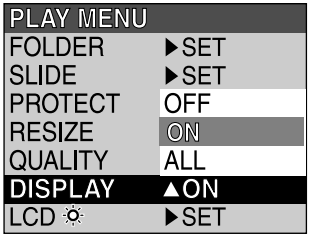
Changing the Display Setting in Playback Mode

This setting allows you to switch the on-screen display.

1 Set the mode dial to [▶]
The last image frame appears on the LCD monitor.

2 Press the ▼ (MENU) button.
The PLAY MENU is displayed.

3 Use the ▲ or ▼ buttons to select [DISPLAY] and press the ENTER button.
The DISPLAY menu is displayed.



[OFF] : Only the LCD monitor is turned on.
(To display the image only.)
[ON] : Both the LCD monitor and the on-screen display (Simplified) are turned on.
(To display the folder No. and image No.)
[ALL] : Both the LCD monitor and the on-screen display (Detailed) are turned on.
(To display the full on-screen display.)

Changing the LCD Setting in Playback Mode

This setting allows you to adjust the brightness of the LCD monitor. This adjustment does not adjust the brightness of the image to be recorded.

[-5] to [+5]

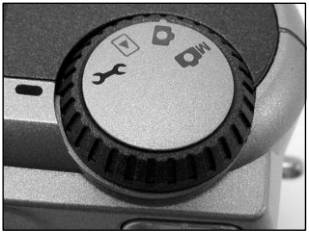
To adjust the brightness of the LCD monitor (➲ Page 85)

Basic Photographic Settings (SET- UP mode)

This feature allows you to set up the environment for using your camera in addition to image-related settings. This is called “setup”. The following items can be changed in the mode:

LANGUAGE/SOUND/TIME/AUTO-OFF/TV/IMAGE No./DEFAULT

The details set here are held in memory even if the camera is turned OFF.



1 Set the mode dial to [ ].
The SET-UP menu appears.

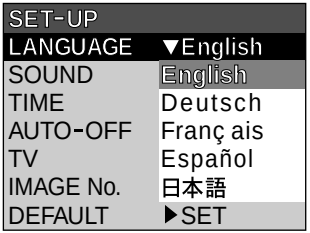
2 Use the ▲ or ▼ buttons to select the item you want to set.

☞ LANGUAGE Page 81
SOUND Page 81
TIME Page 82
AUTO-OFF Page 82
TV Page 83
IMAGE No. Page 83
DEFAULT Page 84

Setting item	SET-UP	
	LANGUAGE	▶English
	SOUND	▶ON
	TIME	▶SET
	AUTO-OFF	▶1MIN
	TV	▶NTSC
	IMAGE No.	▶SET
	DEFAULT	▶SET

3 Press the ▶ button.
The tab menu is displayed.
☞ How to set the time ➲ Page 81

4 Use the ▲ or ▼ buttons to change the setting in the tab menu, and press the ENTER button.
To cancel changing of settings, press the ◀ button.



5 To quit the SET-UP menu, change the mode dial setting.

LANGUAGE

Sets the display language for menus displayed on the LCD monitor.
[English] (default) : English
[Deutsch] : German
[Franç ais] : French
[Español] : Spanish
[日本語] : J apanese

SOUND

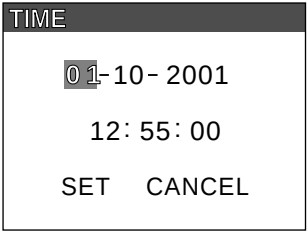
Sets whether or not to sound the beep tone.
[ON] (default) : Sounds the beep tone according to the operating state or operation.
[OFF] : Does not sound the beep tone in any state.

TIME

Sets the date and time.
Seconds cannot be set.

1 Using the ◀ or ▶ buttons to select the item you want to set, and use the ▲ or ▼ buttons to set the value for each item.
Pressing the ▶ button advances the selection in the following order:

Month → Day → Year → Hour → Minute → SET → CANCEL



2 Select [SET] and press the ENTER button.
To quit setting, select [CANCEL].

AUTO-OFF

If no operation is carried out for a fixed amount of time (default: about one minute), power consumption is set to its minimum state (power almost turned off) to prevent battery wear. This is called the Auto Power OFF mode. This setting allows you to set the time until the camera is set to the Auto Power OFF mode. This function is not activated during automatic playback (Page 64) or when transferring images into computers. To return to the normal state from the Auto Power OFF mode, either change the mode dial or press the shutter down fully (Page 37).
[1 MIN] (default)
[2 MIN]
[3 MIN]

TV

Sets the video output format.
[NTSC] : NTSC video format (US, CANADA, J APAN)
[PAL] : PAL video format (EUROPE)

IMAGE No.

Sets whether or not to reset the image number when you take photographs.
[CANCEL] : Does not reset the image number.
[RESET] : Reset the image number.

About Image Numbers and Folder Numbers

- When the image number is reset, a number starting from 0001 is assigned to an empty folder having the smallest number of the SmartMedia™ that is inserted.
  The folder number varies according to the state of the inserted SmartMedia™. To also reset the folder number, format the SmartMedia™ first and reset the image number.
- A consecutive number continuing from the last photographed image is assigned as the image number regardless of whether or not only one image or all images were erased.
- The largest image number is 9999. When this number is reached, a new folder is created, and the image number is assigned starting from 0001.
  ☞ Selecting the FOLDER ➲ Page 69
- The largest folder number is 999. When the folder number reaches 999, format the SmartMedia™.
- When you use SmartMedia™ that was used for taking photographs on another camera, or swap between two or more SmartMedia™, the data held by this camera is given priority as the image number. The folder number is assigned according to the state of your camera or the SmartMedia™.

DEFAULT

Sets whether or not to return the settings (except TIME, LANGUAGE, TV (video output format) and the LCD monitor brightness) to their defaults.

[CANCEL] : Does not return settings to their defaults.

[OK] : Returns settings to their defaults.

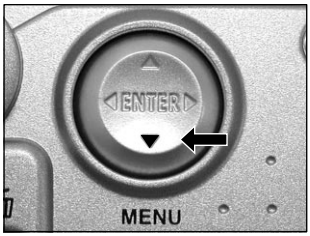
Adj usting the LCD Monitor Brightness

This adjustment adjusts the brightness of the LCD monitor and not the brightness of the recorded image.

1 Set the mode dial to [▶], [📷] or [M📷].

2 Press the ▼(MENU) button.

The REC MENU or PLAY MENU is displayed.
You can set the LCD monitor brightness in either of these menus.



3 Use the ▲ or ▼ buttons to select [LCD] and press the ▶ button.

The image and the LCD menu are displayed.

4 Use the ◀ or ▶ buttons to adjust the brightness.

Press the ◀ button to darken (–) the LCD monitor, or the ▶ button to lighten (+) the LCD monitor.
The LCD monitor can be adjusted within the range [–5] to [+5].
(Default is 0.)

5 Press the ENTER button.

This returns the camera to the previous mode.

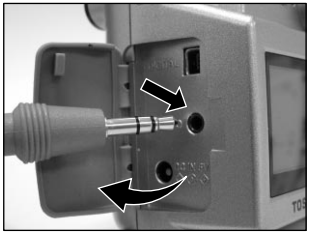
Taking and Playing Back Photographs on a TV

Television sets can be used to compose images for photography or playback. To do this, the camera must first be connected to the TV. We recommend using the AC adapter on an indoor power outlet when available.

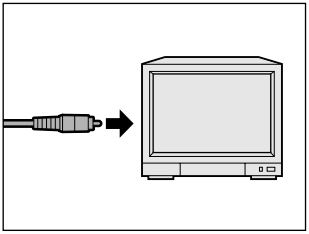
IMPORTANT

- Before you connect your camera to other equipment, be sure to turn all other connected equipment OFF. If you connect your camera to other equipment with the power still ON, the screen may flicker or the image may not be displayed normally.

1 **Connect the plug of the video cable (provided) to the VIDEO terminal on the camera.**



2 **Connect the video cable plug to the VIDEO IN terminal on the TV.**



3 Take photographs or play them back.

Details of operation are the same as taking photographs and playing them back on the LCD monitor.

☞ How to take photographs ➲ Page 40
How to play back images ➲ Page 61

Memo

- Nothing is displayed on the TV when the LCD monitor is set to OFF by turning the on-screen display off. (To turn off the LCD monitor, switch the mode dial to REC /PLAY mode. Press the ▼(MENU) button. Use the ▲ or ▼ buttons to select [DISPLAY] and press the ▶ button. Use the ▲ or ▼ buttons to select OFF, and press the ENTER button.
- Live images (moving image before photography) are less clear than playback images. (This is because they are displayed at a lower resolution.)

Transferring Images to a PC

You can transfer images photographed on your camera to a PC using the packaged CD-ROM and cable set.
Images recorded on SmartMedia™ can also be transferred to a PC using the PC card adapter (sold separately) or floppy disk adapter (sold separately). (Page 92)
To transfer images to a PC, software and USB driver must be installed.
For details, refer to the Software Manual and the User's Guides for your PC.

Using SmartMedia™ on a PC

- Format the SmartMedia™ only on your camera.

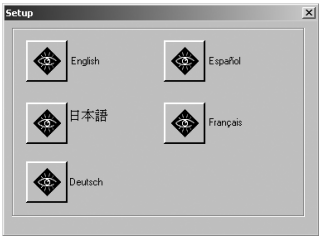
Installing the USB Driver

For Windows 98 Only

Install this driver when the USB cable (provided) is used. The USB driver provided on the CD-ROM is exclusively for Windows 98. Installing the USB driver for use in Windows 2000/ME is not necessary.

1 Insert the CD-ROM supplied with this software package into the CD drive.

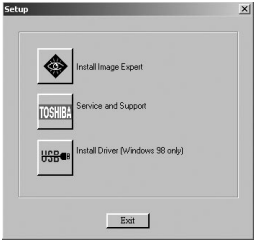
The screen for selecting the display language appears.



2 Click "English".

3 Click "Install Driver".

Follow the on-screen instructions to continue the setup.
After the USB driver installation is complete, restart the computer.



For MAC OS 9.0 or higher

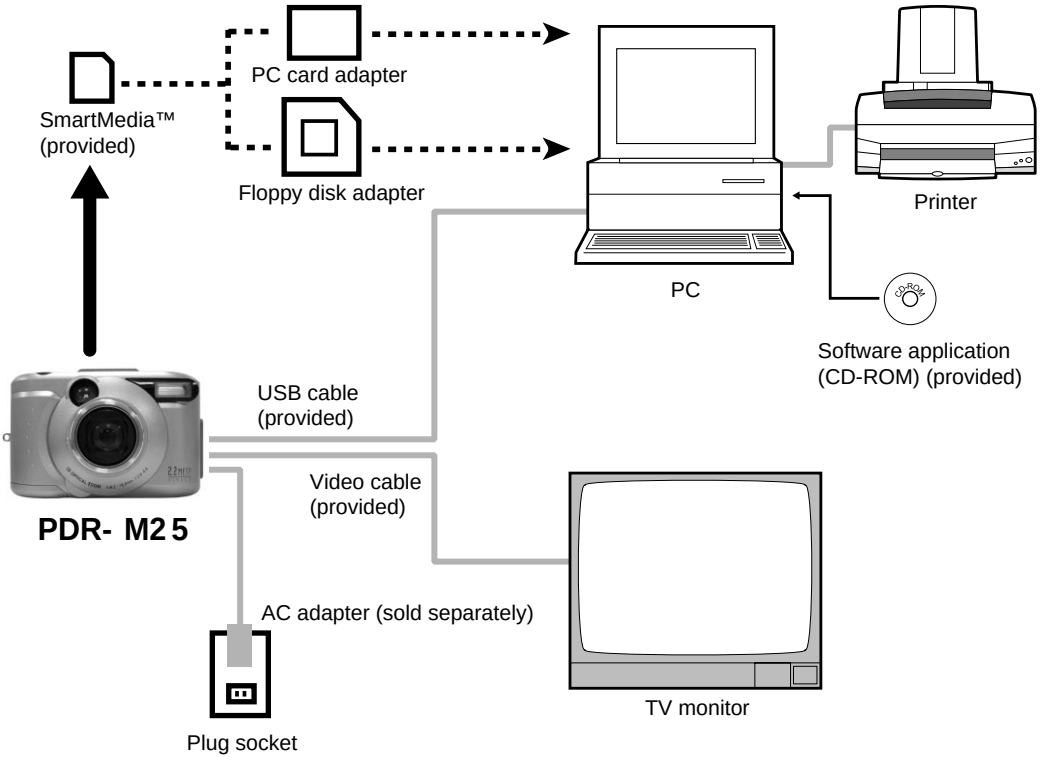
PDR-M25 conforms with USB Mass Storage Class.
A mass storage class-compliant USB driver is already in stalled on the MAC OS 9.0 or higher. The USB driver installation is not needed.

Separately Sold Accessories

The following items are also available as separately sold items.
☞ Relationship between your camera and accessories ➲ “Connecting to Other Devices” (page 92)
For details on these accessories, refer to the Instruction Manual for the accessory you are using.
To purchase above accessories within the United States, please visit our website at http://www.toshiba.com/taisisd/dsc

- AC Adapter
  PDR-ACM1A (for U.S.A. and Canada)
  PDR-ACM1E (for European Continent)
  PDR-ACM1U (for U.K.)

Connecting to Other Devices



Specifications

Camera Body

Model	Toshiba Digital Still Camera PDR-M25								
Recording medium	SmartMedia™ (3.3V) 2/4/8/16/32/64/128MB compatible								
Compression system	J PEG-compliant								
Image file format	Exif Ver.2.1-compliant								
Number of frames (Approx.)	Quality Mode	Image Size	2MB	4MB	8MB	16MB	32MB	64MB	128MB
FULL size: 1792 x 1200 pixels	★★★	FULL	1	3	7	15	32	65	131
	FINE	HALF	7	14	29	60	121	243	486
HALF size: 896 x 600 pixels	★★	FULL	3	7	14	30	60	122	246
	NORMAL	HALF	14	28	58	117	236	475	951
	★	FULL	7	14	29	60	121	243	486
	BASIC	HALF	29	55	112	225	453	907	1817
Conversion rules	DCF Ver. 1.0-compliant								

IMPORTANT

- The number of images that can be photographed in the table above is only for reference, we do not secure them.
- The size of the data to be recorded varies according to the amount of detail in the subject image. So, the number of images that can be photographed after an image is recorded decreases. Sometimes this amount decreases by two images.

Pickup elements			1/2.6" CCD sensor (total pixels: approx. 2.3 million, effective pixels: approx. 2.2 million)
Sensitivity			Equivalent to ISO 100/200/400
Lens			3X zoom lens W= F2.9/F6.9, T= F3.02/F6.9
Focal length			f= 6.2 mm – 18.6 mm (equivalent to 38mm - 114mm on a 35mm camera)
Viewfinder			Real image type zoom finder
Auto-focus			TTL system AF, focus adjusting range: approximately 3.15 in. (8 cm) at wide to infinity Detection system: Contrast detection system
Metering system			TTL metering by image capture system
Exposure control			Program AE (exposure compensation available in Manual mode)
Shutter			1/1000 to 1 sec.
White balance			Auto selected Selectable in manual photography mode (outdoors, standard/cool white fluorescent light, incandescent light)
Focal range		Standard	Approx. 15.7in. (40 cm) to infinity
		Macro	Approx. 3.15 in. (8cm) to infinity
Self-Timer			2 seconds/10 seconds selectable
Flash	Modes		Auto, Red-Eye Reduction, Forced Flash, Suppressed Flash, Slow Sync
	Flash intensity control		Automatic
	Effective range		Approx. 1.3 ft. (0.4 m) - 8.2ft. (2.5m)

Date/Time		Simultaneously recorded to image data (Exif file format)
Automatic calendar function		Automatically adjusted until the year 2037
LCD monitor (*1)		1.5" TFT(61,600 pixels)
I/O terminal	DC IN terminal	DC 5 V
	DIGITAL terminal	USB
	VIDEO terminal	NTSC or PAL system
Power supply		4 x AA (Alkaline, Nickel Metal Hydride or Lithium) battery (*2) or AC adapter (sold separately)
Operating conditions	Temperature	+41℉ (+5℃) to +104℉ (+40℃) (during operation)/–4℉ (–20℃) to +140℉ (+60℃) (during storage)
	Humidity	30 to 80% (during operation) no condensation
Camera dimensions		4.13 in. (105 mm) (W) x 2.68 in. (68 mm) (H) x 2.17 in. (55 mm) (D) (excluding protrusions)
Weight		Approx. 8.1 oz (230 g) (excluding accessories, battery and SmartMedia)

*1 The LCD monitor on your digital camera is manufactured using advanced high-precision technology. Though fine spots may appear on the LCD monitor, this is not a malfunction. The LCD monitor can be used as it is.

*2 You can not use manganese dry battery in this camera.

SmartMedia™

Type	Image memory card for digital cameras (SmartMedia™)
Type of memory	NAND flash memory
Operating conditions	Temperature +32℉ (0℃) to +104℉ (+40℃) Humidity 80% or less (no condensation)
Dimensions	1-4/9 in. (37 mm) (W) x 3/100 in. (0.76 mm) (H) x 1-7/9 in. (45 mm) (D)
Accessories	Anti-static case (x1), index labels (x2), write-protect stickers (x4)

AC adapter (PDR-ACM1A) (sold separately)

Power supply	AC120V 50/60Hz
Rated Input Capacity	18VA
Rated Output	DC5V 1.5A
Operating temperature	+32°F (0°C) ~ +104°F (+40°C)
Storage temperature	+14°F (–10°C) ~ 158°F (+70°C)
Dimensions	1-$^{8}/_{9}$" (48 mm) (W) x 1-$^{1}/_{4}$" (26 mm) (H) x 2-$^{3}/_{4}$" (70 mm) (D)
Weight	Approx. 3.5 oz (100 g)
Connector Cable Length	Approx. 6.6 ft (2 m)

AC adapter (PDR-ACM1E) (sold separately)

Power supply	AC230V 50Hz
Rated Input Capacity	120 mA
Rated Output	DC5.0V 1.5A
Operating temperature	0°C ~ +40°C
Storage temperature	–10°C ~ +70°C
Dimensions	49.5 mm (1.9") (W) x 66.5 mm (2.6") (H) x 76 mm (3.0") (D)
Weight	Approx. 130 g (4.5 oz)
Connector Cable Length	Approx. 2 m (6.6 ft)

AC adapter (PDR-ACM1U) (sold separately)

Power supply	AC230V 50Hz
Rated Input Capacity	120 mA
Rated Output	DC5.0V 1.5A
Operating temperature	0°C ~ +40°C
Storage temperature	–10°C ~ +70°C
Dimensions	49.5 mm (1.9") (W) x 60.5 mm (2.4") (H) x 76 mm (3.0") (D)
Weight	Approx. 130 g (4.5 oz)
Connector Cable Length	Approx. 2 m (6.6 ft)

These specifications are subject to change without notice.

Warnings and Messages Displayed on LCD Monitor

The following warnings, messages and icons are displayed on the LCD monitor and the status display.

Display		Meaning
LCD monitor	Status display	
		Remaining battery power half or less
		No battery power left
⚠ NO CARD	Flashing (photography mode)	No SmartMedia™ is loaded SmartMedia™ is loaded incorrectly
	Nothing displayed (playback mode)	
⚠ CARD FULL	Flashing (photography mode)	No more space on the SmartMedia™. Recording is not possible.
	Number of image display 0	
⚠ NO IMAGE	—	Nothing is recorded to the SmartMedia™.
⚠ UNFORMATED CARD	—	The SmartMedia™ is not formatted. (A message prompting you to format the SmartMedia™ is displayed.)
⚠ CARD ERROR	—	The SmartMedia™ is damaged. The SmartMedia™ format is incorrect.
⚠ PROTECTED CARD	—	The SmartMedia™ is write-protected.
⚠ FRAME ERROR	—	An attempt was made to playback incorrectly recorded data.
⚠ UNMATCHED DATA	—	An attempt was made to playback a frame not recorded on this camera.
⚠ FRAME No. FULL	—	The frame number has reached 999-9999.
⚠ PROTECT	—	An attempt was made to erase a protected image.
⚠ FOLDER No. ERROR	—	There already exists a folder with the same number.
⚠ IMAGE No. ERROR	—	There already exists an image with the same frame number in the folder.

Troubleshooting

First check the warning displayed on the LCD monitor (Page 101) and the viewfinder lamp (Page 39). Then check the following items.

Problem	Causes	Remedy	See Page
No power supply	The batteries are exhausted.	Replace with new batteries.	P.23
	The AC adapter plug has come out of the power outlet.	Plug the adapter back in.	P.26
	The POWER knob is not turned on.	Turn on the POWER knob.	P.32
The camera turns OFF during operation.	The batteries are exhausted.	Replace with new batteries.	P.23
The battery runs out quickly.	You are using the camera in extremely cold conditions.	Put the battery in your pocket or another warm place to heat it and then load it into the camera just before you take a picture.	–
	The terminals are dirty.	Wipe the battery terminals with a clean, dry cloth.	–
	The battery has reached its effective life.	Replace with new batteries.	P.23
No photograph is taken when the shutter button is pressed.	No SmartMedia™ is loaded.	Load a SmartMedia™.	P.28
	The SmartMedia™ is loaded incorrectly.	Load the SmartMedia™ correctly.	P.28
	Not enough space on the SmartMedia™	• Load a new SmartMedia™. • Erase photographed images or change the size and quality to increase space on the SmartMedia™.	P.28 P.65 P.67
	The SmartMedia™ is write-protected.	Remove the write-protection or replace with a new SmartMedia™.	P.31
	The SmartMedia™ is not formatted.	Format the SmartMedia™.	P.74
	The SmartMedia™ is damaged.	Load a new SmartMedia™.	P.28
	The Auto Power OFF function is activated.	Either press the shutter button fully down, or change the mode dial setting.	P.37 P.80

Problem	Causes	Remedy	See Page
I cannot use the flash to take pictures.	The mode dial has been changed to another setting.	Set the mode dial to the correct setting.	P.33
	The flash is set to Suppressed Flash mode.	Set the flash to Auto, Red-Eye Reduction or Forced Flash mode.	P.49
	You pressed the shutter button while the flash was charging.	Wait until charging is completed before pressing the shutter button.	P.51
The flash will not charge.	The camera is set to Suppressed Flash mode.	Set the flash to Auto, Red-Eye Reduction or Forced Flash mode.	P.49
	The batteries are exhausted.	Replace with new batteries.	P.23
Images cannot be played back.	No images in selected folder.	Select a different folder to play back.	P.69
The playback image is too dark even though I used the flash.	The subject is too far away.	Move closer to the subject. (Approx. 1.3ft.(0.4m)-8.2ft.(2.5m))	P.49
The playback image is blurred.	The lens is not clean.	Clean the lens.	–
	The image is out of focus.	Set macro photography to ON or OFF according to the distance up to the subject.	P.47
I cannot format the SmartMedia™.	The SmartMedia™ is write-protected.	Remove the write-protection.	P.31
I cannot erase all the frames.	The frame is protected.	Remove the write-protection.	P.77
	The SmartMedia™ is write-protected	Remove the write-protection.	P.31
Nothing happens when I use the buttons and switches.	Camera malfunction.	Turn the power OFF and remove the batteries once, and try again.	–
	The mode dial is not at the correct position.	Set the mode dial to the correct setting.	–
	The camera is in the Auto Power OFF mode.	Either press the shutter button fully down, or change the mode dial setting.	P.37 P.80

Problem	Causes	Remedy	See Page
Nothing is displayed even through the LCD monitor is set to ON.	The camera is in the PC mode.	Change the camera to the photography or playback mode.	P.40 P.61
The set date and time disappears.	Both the batteries and AC adapter are removed with the power still ON.	Set the date and time again.	P.82

Glossary

- AF/AE

AF (auto-focus) · · · A function for automatically focusing your camera.
AE · · · A function for automatically setting your camera's exposure.
AF/AE lock · · · Locking of the focus and exposure settings.

- DCF (Design rule for Camera File System)

A file system standard defined by the J EIDA (J apan Electronic Industry Development Association) that is required for exchanging data between digital still cameras or a digital camera and a printer. This standard defines the hierarchy and file names used when storing image files on memory cards or other recording medium.

- Exif File Format (Exchangeable Image File Format)

A color still image format for digital still cameras approved by the J EIDA (J apan Electronic Industry Development Association). J PEG-compliant, this format is compatible with TIFF and J PEG and can be used in image processing software for most personal computers.

- J PEG

A file format used for compressing and saving color images. The compression ratio can be selected, but the higher the compression ratio, the worse image quality becomes. This format is widely used in the paint software for PCs and on the Internet.

- PC Card

A generic term for cards that meet the PC Card Standard.

- Red-Eye Effect

The phenomenon where people's eyes sometimes appear red in the picture when you use a flash to photograph them in low-light conditions. This is caused by the light of the flash reflecting off the inside of the eye.

- White Balance

When the brightness of the light changes, the human eye adapts so that a white object still looks white. On the other hand, devices such as digital still cameras see a white subject as white by first adjusting the balance to suit the color of the ambient light around the subject. This adjustment process is referred to as matching the white balance.

- SmartMedia™

Name of a recording medium defined by the SSFDC Forum. This recording medium can be used over and over again.

- Formatting

Transforming the contents of the SmartMedia™ to a recordable state. (This is sometimes called "initialization".)

- Exposure Compensation

When the screen contains an extremely bright or dark object, the camera automatically adjusts the brightness, resulting in the subject being reproduced darker or lighter. Exposure compensation adjusts for this.

Global Contacts

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Canada	Toshiba America Informtion Systems,Inc	(800) 829-8318	dsc.support@ais.toshiba.com	www.toshiba.com/taisisd
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For customers in the United States and Canada

Register your product On-Line

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